

FORM NO. 104-40  
DEC. 1968

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CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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25X1

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COUNTRY Poland/Czechoslovakia/Italy/Soviet Ukraine/Belarusian Republic DATE DISTR. 29 June 1951

SUBJECT Details on Penicillin Plants Shipped to Europe by NO OF PAGES 3

PLACE ACQUIRED ---

NO. OF ENCLS.  
(LISTED BELOW)

DATE ACQUIRED BY SOURCE May 51

SUPPLEMENT TO REPORT NO.

25X1

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT OF 1917, 18 U.S.C. 793 AND 794. IT IS UNLAWFUL TO DISCLOSE ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON OR PERSONS OR TO ANY OTHER PERSON OR PERSONS IN ANY MANNER OR BY ANY MEANS.

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## SOURCE

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1. Penicillin plants were supplied to Poland, Czechoslovakia, Italy, Soviet Ukraine, Belarusian Republic and Yugoslavia. In the case of the first

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materials from Czechoslovakia. In general, the necessary equipment for all departments involved in the production of penicillin, and sufficient raw materials for about nine months operation were supplied and delivered. I have copies of reports of the equipment sent to each of these five countries. Copies of these reports are available from the CIA Library. These reports show:

- A. The name of the contractor,
- B. The Contract number,
- C. The quantity ordered,
- D. Description of the item,
- E. The value, and
- F. The name of the boat, the sailing date and the ocean bill of lading number.

2. In order to facilitate the assembly of these plants in the receiving country, installation, operating and maintenance manuals and blueprints were sent with the equipment. Copies of these documents were packed in each case with the material shipped. Additional duplicates were given to the trainees brought to the US by UNRRA to learn the processing methods. A list of these technical documents which were shipped with the equipment is also available from the CIA Library.
3. Shipping information in the extreme right column of the report is based on outbound ocean bills of lading. In instances where products have been cancelled and, therefore, do not appear on the ocean bill of lading, appropriate notations are made in the report. These shortages are very minor and are adequately indicated. Mainly they are shortages of galvanized and black pipe, which at that time was extremely difficult to get.
4. UNRRA was responsible for delivery only to ports of destination, and it must be assumed that with the exception noted in the report, all goods were landed at such ports, since there have been no claims for shortage. Responsibility for movement from ports of destination was upon the receiving government, and if shortages or misshipment occurred between port of destination and final inland destination, these would have to be investigated by the receiving government, since they would not be a matter for UNRRA records.

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STATE	NAVY	AIR	ARMY	DISTRIBUTION	CONFIDENTIAL	US OFFICIALS ONLY
				4, 5, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		

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5. All of the above applies only to the penicillin plants for the five countries mentioned. 25X1
6. The penicillin pilot plant shipped to Yugoslavia was acquired legally and intact from the Marck Co., Montreal, Canada, through the Canadian Commercial Corporation. It was dismantled, adequately labeled, and blueprinted by engineers employed by the Canadian Commercial Corp. Shipment was effected in total on the SS HESTER, a Yugoslavian boat out of Montreal about October 1947. Only the one movement was involved. Full engineering data are in the hands of the Yugoslav government. Specifically, I believe the agency is OSWEGO.
7. The Yugoslavs had the problem of whether to buy this plant or feedstuffs. Tito himself decided they must have the plant. His decision was so late that no Yugoslav technicians could be trained and the unit could not be purchased piece by piece as the others had been. A Canadian engineering firm, I believe Summit Ross of Montreal, was appointed to make a complete survey and drawings, which they did.
8. Each of the plants described above has the small monthly capacity of 50 billion Oxford units amorphous penicillin. Production of crystalline penicillin probably would be somewhat less in terms of Oxford units. The differences could be more than made up by replacing the Sharples Centrifuges furnished with each plant by the modern Fodbelniak Extractors now in general use for penicillin production in the US. This equipment cannot be used for spinning viruses but could be for heavier germs. There is no system of solvent recovery.
9. Sufficient material and equipment were furnished to the Chinese government to permit the establishment of two such plants as are described above. This material was all delivered to Shanghai, and I believe is under the jurisdiction of a special Chinese government organization known as the Board of Frontier Rehabilitation Administration.]
10. Processing knowledge was conveyed personally to the trainees brought to Canada for this purpose, and if documented in any way, would be found only in the notebooks and data taken by the trainees themselves. Processing knowledge varies widely with each plant, and is carefully guarded as a trade secret. There is no standard method of penicillin production, except in principle. Method varies, as previously stated, from plant to plant, as each plant seeks a competitive "edge" by lowering production costs. The only method of obtaining processing information is by engagement of consulting engineers in possession of the production methods and having them actually teach native personnel how to operate an antibiotic plant. These remarks apply to the production of Streptomycin, Chloromycetin, Aureomycin and other antibiotics produced by the deep fermentation process.
11. Among the trainees sent to Canada and instructed at the Spaulding Division of Connaught Laboratories, the Czechs were the brightest and got the most out of it. The USSR sent political appointees, one of whom was a chemist instead of a mycologist. His name was Chaidt; he couldn't speak English and could not grasp the theory at all. The Soviet group did not learn a great deal because of the low caliber of this man. The Poles also were completely incompetent. The Italians were only fair. After six years of blackout on such developments during the war, it was very difficult for them all.
12. As to the present status of the plants, I greatly doubt whether they are doing very much. In June 1947 I went to Prague for a meeting with the various groups assigned to operating the equipment. I saw the unit at Bratky near Prague, which was under an engineer named Kabatek. They were in trouble and even all the assistance I could give them did not help a great deal. Although they were the smartest of all, they could not truly grasp the principle of the process. The Poles came too but their situation was hopeless. Part of the equipment had been lost and their government had turned the refrigeration units over to the Polish fishing industry. The Soviets did not send their representatives and I have no idea of their present state although they were supposed to have been

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located at Minak and Kiev. The Italian plant at Rome was in production but since has been absorbed by a larger set up. I heard recently that the Yugoslav unit is operating now at very low capacity and is situated at Belgrade rather than Zagreb as originally thought.

13. At the time of the Prague meeting the following were responsible in their respective countries:

Czechoslovakia - Director of Penicillin Production  
State Institute of Hygiene  
Rostoky u Praha

Poland - Ministry of Industry and Commerce  
Poznańska 15, Warsaw  
Minister Ruminski

Operations: Centralny Zarząd Przemysłu  
Lwowska 17, Warsaw  
Director Smolenski

Italy - Istituto Superiore di Sanità  
Viale Regina Margherita 599  
Rome  
Senor G. Penco and Senor A. deFivoli

USSR - Council of Ministers  
24 Sovetskaya Street  
Minsk  
Mr. I. Belinsky

Council of Ministers  
Kiev  
Mr. V. Khomyak

(Messrs. Kosulin and Khomyak were in the US at the time but have now returned to the USSR and are undoubtedly associated with the project).

-end-

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## 1. PENICILLIN PLANT

### Technical Information

1. WI-289-PA-3, CND-B-1887/A1-1938

Canadian Hagerwell Rand Co., Ltd.  
Electronics, Toronto, Canada  
The Canadian Hagerwell Rand Co., Ltd.  
South Salsburg,  
Ontario, Canada

### INSTRUCTIONS FOR INSTALLATION AND OPERATING BIRD-FLAME UNIVERSAL FILTERS

2. UC-266-PA-1, CND-B-1758/A1-3011

Canadian Westinghouse Co. Ltd.  
Hamilton, Ontario, Canada

### ROUTINE CASE INSTRUCTION MOTOR

1. Instruction Series # 8-598  
2. Descriptive Bulletin #11-000

3. UC-266-PA-1, CND-B-1758/A1-3012

Leland Electric, Canada, Ltd.  
73 Wickstead Road, Oakville, Ontario, Canada

### THREE PHASE MOTORS

1. Blueprints # 7-796

4. UC-266-PA-1, CND-B-1758/A1-3013

The Scott Turner Machine Co., Ltd.  
191 Barton Street, Hamilton, Ontario, Canada

5. UC-266-PA-1, CND-B-1758/A1-3014

The Canadian Fairbanks Morse Co., Ltd.  
246 Sparks Street, Ottawa, Ontario, Canada

### CENTRIFUGAL PUMPS

- Bulletin # 9830-8

6. UC-266-PA-1, CND-B-1758/A1-3015 and Miscellaneous # 718

Taylor Instrument Companies of Canada Ltd.  
110 Church Street, Toronto, Ontario, Canada

### RECORDING INSTRUMENTS

1. Recording Valve Bulletin #98050  
2. Temperature and Pressure Recorder Bulletin #98071  
3. Mechanical Valve Bulletin #98071  
4. Pressure Recording Controller Bulletin #98016

7. UC-266-PA-1, CND-B-1758/A1-3016

Balmain and Williams Ltd.  
18-32 Bank Avenue, East Windsor, Ontario, Canada

### ANTENNAS

- Bulletin on Liquid Antenna

## I PENICILLIN PLANT

### Technical Information

- 1 UC-289-PA-3, CEB-B-1667/A1-1956

Canadian Niagara Bell Co., Ltd.  
Shorthorn, Ontario, Canada  
Third Machine Company, South Belgrade  
Canada  
Canada

### INSTRUCTIONS FOR INSTALLING AND OPERATING BIRD-TONG UNIVERSAL FILTERS

- 2 UC-266-PA-1, CEB-B-1756/A1-3011

Canadian Westinghouse Co., Ltd.  
Hamilton, Ontario, Canada

### WATERMILL CANE INSTRUCTION MOTOR

- 1 Instruction Series # 4-598  
2 Descriptive Bulletin #11-300

- 3 UC-266-PA-1, CEB-B-1756/A1-3012

Leland Electric, Canada, Ltd.  
73 Wickstead Road, Oakville, Ontario, Canada

### THREE PHASE MOTORS

3 Blue motors # 7-706

- 4 UC-266-PA-1, CEB-B-1756/A1-3013

The Scott Turner Machine Co., Ltd.  
191 Barton Street, Hamilton, Ontario, Canada

- 5 UC-266-PA-1, CEB-B-1756/A1-3014

The Canadian Fairbanks Morse Co., Ltd.  
444 Sparks Street, Ottawa, Ontario, Canada

### CENTRIFUGAL PUMPS

Bulletin # 5530-2

- 6 UC-266-PA-1, CEB-B-1756/A1-3015 and Miscellaneous # 710

Taylor Instrument Companies of Canada Ltd.  
110 Church Street, Toronto, Ontario, Canada

### RECORDING INSTRUMENTS

- 1 Recording Valve Bulletin #2050  
2 Temperature and Pressure Recorders Bulletin #2071  
3 Electrical Valves Bulletin #2071  
4 Pressure Recording Controller Bulletin #2016

- 7 UC-266-PA-1, CEB-B-1756/A1-3016

Balance and Williams Ltd.  
18-32 North Avenue, Fort George, Ontario, Canada

### ANALYZERS

Bulletin on Liquid Sensors

8 BU 1647, 775-7755

General American Transportation Corporation  
10 East 49th Street, New York 17, New York

**TURBO-MIXERS**

- 1 Lubricating Instructions
- 2 Assembly # 3 & Drive Unit, Prints # 27-282, 27-245, 27-246-1

9 UC-264-PA-2, CEB-B-1758/A1-3087

Dominion Bridge Co., Ltd.  
1139 Shaw Street, Toronto, Ontario, Canada

**AUTOMOVES**

- 1 Markings
- 2 Sketch # 1
- 3 Drawings # 1, 2, 3.

10 UC-264-A-3, CEB-B-1758/A1-3060

English Electric Company of Canada, Ltd.  
11, Catharines, Ontario, Canada

**SQUIDGEI CASE NOTCHES**

Bulletin # 102-4 and Form DFB-22-B

11 UC-289-PA-1, CEB-B-1877/A1-3018

Richardson Agencies.  
454 King Street West, Toronto, Ontario, Canada  
(The Pfandler Company, Elvira, Ohio, USA)

**TANKS AND GLASS LINED EQUIPMENT**

- 1 Blueprint # C M290-1
- 2 " # C M119-1
- 3 " # C M100-1
- 4 " # C M126-1
- 5 " # C M121-1
- 6 " # C M190-1
- 7 " # C M164
- 8 " # B M100-1
- 9 Bulletin # C14

12 UC-289-PA-2, CEB-B-1877/A1-3019 and 3020 and 3021

Whitling Corporation, Ltd.  
45 Richmond Street, Toronto 1, Ontario, Canada  
(Whitling Corporation, 17th and Foster Street,  
Philadelphia 40, Pennsylvania)

**SHARPLES SUPERCENTRIFUGES**

- 1 Instructions for Supercentrifuge (112 Blueprint # C-339 8 and # 339 8)
- 2 Instructions for Laboratory Centrifuge

13 UC-3048

F. J. Stokes Machine Company  
Tabor Road, Glenside P.A., Philadelphia 28, Pennsylvania

**VACUUM CASSE-ROLLERS TYPE**  
**Roller / VO-38-1/46**

14 BA-3099, TF-740

Whelac Instrument Company  
 Harrison and Peoria Streets, Chicago 7, Illinois

**THERMOSTAT CONTROLS**

- 1 Instructions for Whelac Instrument Model 5241
- 2 Price List / O 203-2
- 3 Bulletin / O 203-2
- 4 Instruction Sheet / 5527
- 5 " " / 5479 A
- 6 " " / 5307
- 7 " " / 5308
- 8 " " / 5046 A
- 9 " " / 5445 B
- 10 " " / 5378 A
- 11 " " / 5362
- 12 " " / 5306 A

15 OA-1024, TFF-413

Radio Instrument Company, Inc.  
 17 Madison Avenue, New York 16, New York

16 57403

- 1 Battery Connections for Gamma pH Automat
- 2 Additional Instructions for Gamma pH Meters
- 3 Directions for pH Meter

16 Miscellaneous 8714

Paramount Rubber Company  
 1401 Northlawn Avenue, Detroit 4, Michigan

**AIR FILTERS**

as Blueprint

17 Miscellaneous 8741 and UC-269-P1-2, CEB-B-1-57/41-3025

Fischer and Porter Company  
 Allentown, Pennsylvania

**FLUORIMETERS AND PHOTOMETERS**

- 1 Fluorimeter, Series 740, Catalog Section 25-8
- 2 Dimension Chart / O-17131-0
- 3 Dimension Drawing for Radiometers / O-10400-1
- 4 " " " " / 7-12206-2
- 5 Instruction Manual for Fluorimeter, Bulletin / L-8

18 Miscellaneous / 8714

Kason-Heilan Regulator Company  
 119 1/2 Adams Street, Boston 26, Massachusetts

**BACK PUSHERS EMULATORS**

- 1 Instructions Bulletin # 326
- 2 Blueprint # C-372-B-4
- 3 " " # C-372-A 3

**19 Miscellaneous # 6737**

Robert D. Shaw  
Hartford, Connecticut

**ASSAY CUP DISPENSERS**

Special Report from SCIENCE, September 20, 1946, Vol. 120, page 274  
"Dropping Device for Cylinder Plate Assay of Penicillin"

**20 WC-407, C.A-17-70/1470**

F. J. Stokes Machine Company  
5934 Tabor Road, Jersey City, Philadelphia 20, Pennsylvania

**STOKES ELECTRIC WATER STILL MODEL, INSTRUCTIONS FOR INSTALLING AND OPERATING**

**21 WC-407, C.A-17-70/1470**

W. H. Balch Scientific Company  
1515 Sedgwick Street, Chicago 10, Illinois

**VACUUM END-GRILL PUMPS, COMPLETE SERIES**



## II. PREVIOUS PLANT

### Leading Technical Information

1. DC-200-PA-3, CMB-2-1897/A1-8996

Canadian Ingersoll Rand Co. Ltd.  
Shawville, Quebec, Canada  
(Bird-Young Filtration Bird Machine Company, South Windsor, Connecticut)

#### BIRD-YOUNG FILTERS

Arrangement Drawings and Duplicate Parts List To be forwarded

2. DC-200-PA-1, CMB-2-1758/A1-8996

Canadian Ingersoll Rand Co. Ltd.  
Shawville, Quebec, Canada

3. DC-200-PA-3, CMB-2-1758/A1-8996

Canadian Ice Machine Company  
44 Palliser Street, Toronto, Ontario, Canada

#### CANADIAN ICE MACHINERY PARTS

To be forwarded

4. DC-200-PA-2, CMB-2-1897/A1-8996

J. P. ...  
Oliver Building, Pittsburgh, Pennsylvania

#### OLIVER VACUUM CHAMBER PARTS

Included

5. DC-200-PA-2, CMB-2-1897/A1-8996

Canadian Laboratory Supplies Ltd.,  
22 Grenville Street, Toronto, Ontario, Canada

#### ALL TUBING, CENTRIFUGES

No reply received to request  
for technical data

6. DC-200-PA-3, CMB-2-1897/A1-8996

F. S. B. ...  
641 Bow Mills Building, Montreal 2, Canada

#### ELI T STRAIN ELECTORS

Canadian Commercial Corporation  
trying to get information Will  
be forwarded

7. SA-255, TB-1256

L. A. M. Industries and Trading Corporation  
100 Riverdale Drive, New York, New York

#### COLD STORAGE UNITS

No reply received

8. SA-255, TB-1257

Harold ...  
6701 Atlantic Avenue, Atlantic City, New Jersey

#### COLD STORAGE UNITS

- 2 -

9 EA-3835, TD-1234

John Amos Air Conditioning Co., Inc.,  
4 1/2 South Fourth Avenue, El. Verona, New York.

REPHOTOGRAPHED BY

Re reply received

10. NO-344/EL2

Richardson Agencies  
454 King Street, Toronto, Ontario, Canada  
(The West Company, Harrisville, Pennsylvania)

CAPTION MACHINE

Re reply received

SHIPMENT OF RECEIVED EQUIPMENT TO ST. LOUIS  
C.I.B. 8-1756/VI-266

CONTRACTOR	Serial Quantity #	MATERIAL	PAID US Value	SHIPMENT
Canadian Ingersoll Rand Co. Ltd.	AI-5777	1 Local Canadian Ingersoll Rand Class 25 1-21 Class 2 construction air compressors complete with accessories (price incl.)		
		1 ea. Filters, Air Inlet ) These two items not included in shipment on invoice.		
		1 " Bushings, Intake ) Shipped Same A/L LHM Dec. 24, 1947		
		1 " Receiver, Air, 4 1/2" x 10"		
		1 " After Coolers, 55 H.P., with Safety Valves	68,908.64	Asphalt May 11, 1947
		1 " Motor, 60 H.P., 360/220V, 3 phase, 50 cycle		A/L LHM
		1 " Com. starters, starting, for above 60 H.P. motor.		
	PA-1	1 LHM Canadian Ingersoll Class 25 pump and accessories (price inclusive)		
		1 ea. Motor, 20 H.P., 360/220V, 3 phase, 50 cycle including starting components.		
		1 " Base, Sliding, for above motor.		
Canadian Westinghouse Co. Ltd.	AI-XIII PA-1	2 15 H.P., 3 phase, 50 cycle, 1500 RPM, 360/220V, 40°C rise, protected H.B. squirrel cage induction motors with normal starting torque and low starting current and 10 only bases for motors complete with starters.	\$ 496.05	Chalmers Oct. 3, 1947 A/L LHM
Leland Electric Canada Ltd.	AI-XIII PA-1	3 Motors, 3/4 or 1 H.P., 360/220V, 3 phase, 50 cycle.	\$ 122.00	Frederick Engle Apr. 22, '47-8/11229
The Stuart Turner Machine Co. Ltd.	AI-XIII PA-1	1 1/2 hp side suction centrifugal pumps, standard fitted with open type iron impeller, ball bearings, direct connected to 1/2 hp. 3 phase, 50 cycle, 220/380V. 1500 RPM standard impregnated protected type motor, together with manual starting switch having thermal overload protection.	\$ 157.77	Swanepoel July 19, 1947 A/L LHM

# REVENUE OF PUBLIC UTILITIES AND TRANSPORTATION

Page 2

C.B.S. 2-17-40, BC-244

CONTRACTOR	Material Supplied by	Quantity	Unit Price	Total Price	Remarks
The Canadian Portland Cement Co.	AL-3001	2			Portland-cement 1 1/2" Figure 9911, all from individual bags mounted on base and direct connected through flexible couplings to and including an Electric Motor & Equipment Co. 3 h.p., 3 phase, 50 cycle, 180/220V, 15.0 RPM, 50% rise, standard protected type of electric motor.
	AL-3004	1			Portland-cement 1 1/2" Figure 9911, all from individual bags mounted on base and direct connected through flexible couplings to and including an Electric Motor & Equipment Co. 1 1/2 h.p., 3 phase, 50 cycle, 180/220V, 15.0 RPM, 50% rise, standard protected type of electric motor. \$ 833.96
Taylor Instrument Company of Canada, Ltd.	AL-3005 PA-2	1			Thermometer, Instrument Recording, (PA-2) Taylor, 2 pen Record, with left and right tube system, 2" leads, with a 3 1/2" rigid 18-8 stainless steel and water connection assembly. Range of instrument, 0-225° F., with over-range protection 3 and 4 1/2 h.p. 136
		1			Thermometer, Recording, 2 pen, chart (same as above except for 10" leads & 22-1/4" stem).
		1			Thermometer, Recording, 1 pen, (same as above except for 10" leads & 22-1/4" stem). \$ 654.85
Delamere & Williams Ltd.	AL-3006 PA-2	2			Type W8 agitators having 1 h.p., 380/220V, 3 phase, 50 cycle, 150 RPM open rotator motors stainless steel shaft, and props for use in tank 45" dia. x 4 ft. deep. \$ 128.86
The Toronto Iron Works, Ltd.	AL-3005 PA-2	2			Tanks, 7' x 15'
		3			Tanks, 40" dia. x 3' x 5' 1/2" mild steel tanks with motor coupling and also coupling 50 RPM \$6,905.02
General American Transportation Corp.	TR-2773	2			Turbo-mixers, impellers, undrilled, for agitation without motors. (PA-147) \$1,887.60
Anti-Mottles, Bldg, Feed & Brn.		1			Sample pure penicillin 0 crystal form 1467
		1			Sample pure penicillin 0 crystal form 855 (anti-standard) Turned Over to Tridemo

Examples  
July 19, 1947  
8/1 1216

Alfred Flattery  
Jan. 3, 1947  
8/1 6

Examples  
July 19, 1947  
8/1 1217

Notes  
May, 1947  
8/1 1221

Notes  
May 27-28/1 1212

Contract	Serial Quantity	Material	Value	Remarks
Rock-Stetson, W&S, Ford & King (cont'd)	1 1	Sample standard atmospheric corrosion 2047 Sample Baseline Corrosion 2, 21-22		
Northern Regional Research Lab.	1 1 1 1 1	Sample particulate corrosion 1247 R22 Sample particulate corrosion 422 Sample Baseline Corrosion 2202 121 Sample 2202 1211		Forwarded for Treatment
Madison Wisconsin	1 1 1	Sample 12111 in soil Sample culture 1 Sample culture 21		
Pendall Boiler Ltd.	AL-2017 1 only	60" dia. by 12' long large tank rolled construction made of 3/16" steel plate in 20' 1/4" flatheads, with 10" bolted manhole four 2" screwed on in and two 2" in each head. Painted two top coats of paint outside only, all outside to be painted for shipping.		American Victory Dec. 13, 1946 8/2 26
Kewanee Copper-Mining Co., Inc.	AL-2046 1 only PA-2	50 gal. to convert tank to oil bottom & SS cooling coil. (This tank ships without agitator & thermometer)	\$ 434.36	American Victory Dec. 13, 1946 8/2 28
		The agitator & thermometer of above tank was shipped with 10 gal. tanks & coils. Also 10		Frederick Briggs Apr. 22, 1947 8/2 1252
	AL-2046 12 only	Trays (Aluminum) for "disinfection" site in initial compartment like equipment with similar units - freezing and drying.	\$ 1,003.92	American Victory Dec. 13, 1946 8/2 27

## STATEMENT OF PARTICULARS SUBMITTED TO THE AIRCRAFT

G. L. B. 8-1/24/46 (C-36)

CONTRACTOR	Serial Quantity #	MATERIAL	7/23 23 Value	REMARKS
Taylor Instrument Co.	AL-3098 2 only	Single Pen Taylor Recording Thermometers Chart # 10 of 1942 Range 0-100°F 10' lead 18-3 1/2" Accuratus tubing stem length 24" with one Yrisc Air Filter and one air reducing valve # 24" and one Taylor Mono Steel Stem Action Diaphragm valve.		American Victory March 25, 1947 8/1 1
	AL-3098 4 only	Single Pen Taylor Recording Thermometers Chart # 10 of 1942 Range 0-100°F 10' lead, 18-3 1/2" Accuratus tubing, stem length 24" with one Yrisc Air Filter and one air reducing valve # 24" and one Taylor Mono Steel Stem Action Diaphragm valve.	\$1,922.32	
	PA-3 4 only	Single Pen Taylor Recording Thermometers		
Position Bridge Co., Ltd.	AL-3097 2 only	Anticorrosive dry steam sterilizing of Penicillin flasks, diameter 30", length 7".	\$1,691.80	American Victory Dec. 13, 1946 8/1 29
Canadian Ice Machine Co.	AL-3099 1 only	Canadian Ice Refrigerator (with Compressor & Piping)	\$ 541.76	Charadgor Nov. 25, 1947 8/1 1202
English Electric Company, of Canada Ltd.	AL-3060 2 only PA-3	Squirrel Cage Motors, Frame 126, 15 h.p., 1500 RPM 220/240V 3 phase, 60 cycle, 50 DEG. C. Rise, continuous rated, protected type, with antifriction bearings and with sliding in a bar without pulley.	\$ 414.25	Avoncles July 10, 1947 8/1 1205
United Steel Co., Ltd.	AL-3108 15 4	Bolt Drive, 10", Dodge V., for 15 h.p. motor, bolt and pulley to fit on motor	\$ 180.53	Not yet shipped Availability 8/1 1202
	AL-3107 2 PA-1	Can Cans 24. 10 gal., complete with gauge and safety valve	\$ 693.83	Frederick Engines April 21, 1947 8/1 1252
Toronto Coppermithing Co. Ltd.	AL-3107 1	Valve, for U.S. Gallon Stainless Steel with Gull	\$ 570.27	





[illegible]

**REPORT OF PURCHASES SUBMITTED TO THE BUREAU**  
**(S.S. - 3-1807/EC 280/77)**

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CONTRACTOR	Serial #	Quantity Ordered	REMARKS	DATE IN	DATE
Chrysler Corporation, Ltd.	AL-1045	1	4" vertical pistonless steam engine with 1/2" of each hemisphere completely covered with a 1/2" mesh and 1/2" of each hemisphere and 1/2" of each hemisphere.	June 21, 1947	June 21, 1947
	AL-1045	1	4" vertical pistonless steam engine with 1/2" of each hemisphere completely covered with a 1/2" mesh and 1/2" of each hemisphere and 1/2" of each hemisphere.	June 21, 1947	June 21, 1947
Chrysler A. Glass Co. Washington	CP 1000	5	Pumps, 3 to 10 gpm, operating at a total output head of 20', 1 1/2" x 4" electric, fitted for 1/2" of each hemisphere and 1/2" of each hemisphere.	May 19, 1947	May 19, 1947
	TS 1207	3	Cold storage unit complete. Each unit to be complete with two self-contained refrigerating units and each refrigerating unit to have two self-contained refrigerating units and each refrigerating unit to have two self-contained refrigerating units.	May 19, 1947	May 19, 1947
David Baker					

Cost of spare parts : \$1.00  
 General  
 June 10, 1947  
 2/1 1204

SUPPLY OF PENICILLIN MATERIALS TO RUSSIA IN  
U.S.S.R. 1946/47-49/50

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CONTRACTOR	Serial Quantity #	Material	FAA US Value	SHIPMENT
John Mann Air Conditioning Co.,	78-1278	0 Refrigerating unit, self contained, portable, complete with service compressor, 3 H.P. 480V. 3 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. R.T.G. capacity with Freon 12 degree below at 70 degree refrigerant - 19,000 B.T.U./hr. 100 degree ambient at 10 degree refrigerant 8,500 B.T.U./hr. Unit furnished should be same unit used with storage box above, with spare parts. (at 2015)	\$6,116.00	Flotivostok May 15, 1947 S/L 1219
F. J. Staines Co.	CP-1492	5 Vacuum Gauge, Walcott	\$ 400.00	Michael Frum Feb. 25/47 S/L 1243
The West Company Philadelphia, Pa.	Type 1395 P&H 2362	1,000.000 Stoppers, soft rubber, to fit 20cc penicillin bottles; .007 rubber stop composition, paraffined; to be stopper 2-27. (24-191/791-125-6)	\$4,235.00	Sevenson July 18, 1947
The West Company Phoenixville, Pa. (Richardson Agencies)	812	1 Machine, capping, semi-automatic with ph.p. 60 cycle, 110/220 V. AC motor; turret type wiper designed to cap & crimp 20 mm size, triple seal aluminum caps of penicillin bottles, at the rate of 60 to 100 per min. e. (WC 3-4)		Not Yet Shipped Availability 28 3065
	812	300.000 Triple Seal Aluminum Caps		
		300.000 Single Seal Aluminum Caps	\$4,720.17	
Aluminum Co. of America	Type 1469 P&H 2223	1,800.000 Closures, aluminum, 20 mm. size fitting # 2-27 rubber stoppers for penicillin bottles 3 piece combination stoppers, Aluminum Co. of America # 20-120 (24-191/791-125-6)	\$5,030.43	General Chernikov June 30, 1947 S/L 304
Wharton Glass Co.	TPS 5123	6,977 glass Vial, glass, bore-cilicate, practical fill 20cc fill to base of neck, 24cc, O.D. 3mm, height 5mm. I.D. of neck 13mm. To be USP type 1 glassware Model # 5-105. (24-191/791-125-5)	\$23,231.30	Bahn May 21, 1947 S/L 314

## INVENTORY OF CHEMICALS AVAILABLE TO DISSEMINATE

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CONTRACTOR	Serial Number of Material	MATERIAL	Unit Price	Quantity	Remarks
Chem Products Refining Co.	Typ 143 24,287 lbs. PMA 2011	From water. Available from Chem Products Refining Co. 17 Battery Place, N.Y. (MA-917/941-058-21, 190 tons)	\$3,877.35	21, 1847 2/5 135	Same
	24	Same as above	\$2,776.00		Cancelled
Wellman Chemical Co. Boston	Typ 605 483 lbs. PMA 2009	Potassium dihydrogen phosphate (monobasic). Available from Wellman Chem. Works St. Louis, Mo. (MA-111/798-042-21)	\$ 326.70		General Chemistry June 30, 1947 2/5 304
Western Sulfonating Co.	Typ 6174 217,408 lbs. (all water) PMA 2008	Commercial grade is 100 lb. crude (MA-917/941-058-24)	\$63,972.30		General Chemistry June 30, 1947 2/5 33
Adair & Company	Typ 6181 11,973 lbs Potassium sulfonating agent (MA-2768)		\$5,181.53		Wellman May 15, 1947 2/5 1253

## Part 4 Out of Toledo

Out of Toledo	PMA 2043 976 pairs Dish, Petri, top 100 x 15 mm bottom 95 x 15 mm Dues	
Out of Toledo	200 lbs. Chemical, USP, fixed (acid carbolic)	\$36.14
Out of Toledo	200 lbs. Magnesium Sulfate crystal	

Same  
May 12, 1947  
2/5 330

Page 1

**SUMMARY OF PHARMACEUTICAL MATERIALS TO BE ORDERED**  
(Famotidine Drugs)

CONTRACTOR	SERIAL QUANTITY	MATERIAL	UNIT PRICE	REMARKS
J. F. Baker Chem. Co.	77-277 16,900 lbs.	Chloroform, technical, avail. f. on New Chem. Co.	\$1.166.30	Actual - New Chem. Co. Jan 22, 1947
	77-277 16,900 lbs.	Malic acid, Malic acid (BA 191/700-000-1)	\$1.166.30	Actual - New Chem. Co. Jan 22, 1947
Robert Barry & Co. Ltd.	22,300 lbs.	Phosphoric Acid, 85% H <sub>2</sub> O, 77-277. Not available from American Agri. Chem. (EC-517) - Acetate	\$6,003.00	Actual - New Chem. Co. Jan 22, 1947
W. H. H. Chem. Co.	1,000 lbs.	Acid Phosphatase	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
J. F. Baker Chem. Co.	77-277 400 lbs.	Sodium Hydroxide C.P., reagent, 40% NaOH	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
Robert Barry & Co. Ltd.	1,000 lbs.	Sodium Hydroxide, technical, 40% NaOH	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
J. F. Baker Chem. Co.	77-277 9 lbs.	Acid Sulphuric C.P. concentrated, C.P. CP	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
W. H. H. Chem. Co.	77-277 800 lbs.	Cystine L - Cystine - BA-3041	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
W. H. H. Chem. Co.	77-277 24 lbs.	Tyrosine L-75 Penicillin substance	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
W. H. H. Chem. Co.	77-277 1° Kilos Penicillin Extract (dried penicillin) BA-3041		\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
Robert Barry & Co. Ltd.	1 lb.	Clavate (Diacetate) WEP II (46-517)	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
W. H. H. Chem. Co.	77-277 2 long tons	Lactose B.P. Standard	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
W. H. H. Chem. Co.	77-277 24 lbs.	Perilla Torulosa C.P.	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947
W. H. H. Chem. Co.	77-277 16 lbs.	Boat extract BA-3041	\$1,200.00	Actual - New Chem. Co. Jan 22, 1947



Approved For Release 2002/07/24 : CIA-RDP80-00926A003700020008-3

REPORT OF THE DIRECTOR OF THE BUREAU OF THE ARMY

CONTRACT	Serial number	Material	PA 25	PA 26	PA 27
			Value		Cancelled
Shaw-Walker Co.	10-740	5 pbs. Plastic tubing (Vinylidene chloride) 1/2" x 1/8" wall	\$ 14.00		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 948.76		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 120.00		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 942.96		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 139.53		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 297.25		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 110.48		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 227.76		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 223.13		Cancelled
Shaw-Walker Co.	10-740	Controls, thermostat, 500-1000, capacity 1/2" x 1/8"	\$ 41.24		Cancelled

ALP PT 1000 1000 1000 1000

CONTRACTOR	SERIAL	QUANTITY	UNIT	PRICE	TOTAL	REMARKS
						4 each, Platinum, Long
Pioneer Scientific Co., Ltd.	1476	100	100	6.30	630.00	Platinum
Comet Lab. Supplies, Ltd.	1477	6	6	40.00	240.00	Platinum
Cave and Co. Ltd.	1478	6	6	40.00	240.00	Platinum
Bush Scientific Co. Ltd.	1479	1	1	100.00	100.00	Platinum
Robertson & Co. Ltd.	1480	1	1	100.00	100.00	Platinum

1,000 1.0 gals. Services  
Nov. 14, 1947  
3/2 1200

1,000 1.0 gals. Services  
Nov. 14, 1947  
3/2 1200

QTY	DESCRIPTION	UNIT	PRICE	TOTAL
10 gal.	Emergency Centrifuge Spare Parts & Supplies for the R-10 Centrifuge			
10 lbs.	Bearing oil		12.00	12.00
10 lbs.	Emergency grease		12.00	12.00
2 doz.	Ring Dam Gaskets #15		2.50	5.00
24 each	Ball Rod - Slaves (second) #16		4.00	96.00
24 doz.	Ball Bottom Gaskets #17		6.00	144.00
6 each	Ball Protectors Type #18		5.00	30.00
36 each	Three ring springs stainless steel #19		9.00	324.00
1 each	Drum, complete, stainless steel		18.00	18.00
36 doz.	Bushings #20		3.00	108.00
1 each	Drag springs #21 stainless steel		28.00	28.00
4 each	Feed Nozzle - stainless steel, #22		1.40	5.60
24 doz.	Feed Nozzle - gaskets #23		36.00	864.00
4 each	Feed Nozzle - stainless steel #24		66.00	264.00
48 doz.	Ballot catches #25		2.40	115.20
2 each	Brake assembly complete, Type 1, #26		90.00	180.00
2 each	Bearing complete - #27		14.40	28.80
2 each	Bearing sleeves #28		1.00	2.00

Summary of Receipts and Disbursements - PARTIAL - FROM 7/1/57 TO 7/1/58

CONTRACTOR	Serial Quantity	Material	Price per Unit	Amount
Shaw-Walker Corp. (Continued)				
	4 each	Final clutch #70	(BOM 77 Pt. 6)	\$12.00
	12 each	Final clutch coupling #73	"	3.60
	2 each	Bearing washers #79	"	.40
	12 each	Ball bearings #81	"	20.00
	12 doz.	Bearing oil filters #72	"	.30
	4 each	Male clutch #71	"	7.20
	12 doz.	Spindles, chrome plated #74	"	119.20
	4 each	Spindle - screws #74	"	3.60
	1 each	Idle Assembly complete	"	33.00
	6 each	Idle Ball bearings #83	"	14.40
	12 each	Belt, chart #77	"	36.00
Infant General Electric Co. Inc. #757	16 each	24' radial lamp, 0-1518, 1P, (BOM 77 Pt. 7) 15 watt.		\$2.92
Instrument Company				Not yet delivered
	1218223	Taylor Pulscope Recording Tempometer controller, Elact case, free action, motor on axle, 1/2 hour spring wound clock, reverse action, adjustable sensitivity, 1P chart, 0-1518, Range 0 - 1200, over range protection, each tube system 20 ft. mercury actuated capillary, 18/8 stainless steel bulb with rigid stainless steel stem of 18/8 stainless steel 1/2" long including bulb, 18/8 stainless steel connection including 1/4" tapered hub nut, for full immersion; 7/8 chart, ink, -60., with a 1 second scale, complete. (BOM 77 Pt. 4)		\$68.18
	1 each	1218223 Same as item 1, except each tube system 10' and 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel, 22 1/4" including bulb (BOM 77 Pt. 6)		\$78.90

See  
Proceeding  
Page

Date  
Dec. 24, 1967  
A/C 1203

Mem. #740

REPORT OF PURCHASES LISTING - NOVEMBER 1954 - LIST FOR STATION 14

DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL	DATE	SHIP DATE
Taylor Instrument Co. (Continued)					
12100133 1/2" x 1/2" x 1/2" stainless steel bulb with rigid screen assembly attached. 22 1/4" long including bulb. (220 779 Pt. 6)	1 each		\$24.95		
12100133 1/2" x 1/2" x 1/2" stainless steel bulb with rigid screen assembly attached. 22 1/4" long including bulb. (220 779 Pt. 6)	3 each		21.00		
12100133 1/2" x 1/2" x 1/2" stainless steel bulb with rigid screen assembly attached. 22 1/4" long including bulb. (220 779 Pt. 6)	3 each		19.50		
12100133 1/2" x 1/2" x 1/2" stainless steel bulb with rigid screen assembly attached. 22 1/4" long including bulb. (220 779 Pt. 6)	3 each		112.50		
12100133 1/2" x 1/2" x 1/2" stainless steel bulb with rigid screen assembly attached. 22 1/4" long including bulb. (220 779 Pt. 6)	2 each		144.00		
Paramount Rubber Company					
12100133 1/2" x 1/2" x 1/2" stainless steel bulb with rigid screen assembly attached. 22 1/4" long including bulb. (220 779 Pt. 6)	1 each				
12100133 1/2" x 1/2" x 1/2" stainless steel bulb with rigid screen assembly attached. 22 1/4" long including bulb. (220 779 Pt. 6)	2 each				
12100133 1/2" x 1/2" x 1/2" stainless steel bulb with rigid screen assembly attached. 22 1/4" long including bulb. (220 779 Pt. 6)	3 each				

Misc. 8814

Not yet shipped  
Availability  
P/L 158



CONTRACT NO.	Serial Number	MATERIAL	Part No.	SHIPMENT
Fisher & Porter Company Milw. 6741	2 each	Master Enclosed Flange to have the following specifications: <del>MATERIAL LISTED</del> Figure # 701, 1/2" size, 1/2" connection size, 3/4" connection type, 1/2" flange, 1/2" face, material of flange, bronze, float guide, 1/2" to 1/2" "Bead Guide" tube with 3 raised glass ribs to center and to guide the float, packing, 1/2" connections to face, inlet-left, outlet-right, unless otherwise specified, Panel mounting fittings, 1/2" to 1/2" direct reading, float specifications, 1/2" of stainless steel, 1/2" to 1/2" flange, 1/2" fluid air, color - transparency, 1/2" to 1/2" specific gravity, 1/2" operating pressure, atmospheric, operating temperature, 70°F, 1/2" to 1/2" maximum flow, 1/2" to 1/2", minimum flow, 1/2" to 1/2". To include outline drawings and pressure correction curves. (BPM 775 Pt. 4)	1441.00	
	3 each	Master Enclosed Flow valve to have the following specifications: <del>MATERIAL LISTED</del> Figure # 701, 1/2" size, 1/2" connection size, 1/4" connection type, 1/2" flange, 1/2" face, material of flange, bronze, float guide, 1/2" to 1/2" "Bead Guide" tube with 3 raised glass ribs to center and to guide the float, packing, 1/2" connections to face: inlet-left, outlet-right, unless otherwise specified, Panel mounting fittings, 1/2" to 1/2" direct reading, float specifications, 1/2" of stainless steel, 1/2" to 1/2" flange, 1/2" fluid air, color - transparency, 1/2" to 1/2" specific gravity, 1/2" to 1/2" operating pressure, atmospheric, operating temperature, 70°F, 1/2" to 1/2" maximum flow, 1/2" to 1/2", minimum flow 1/2" to 1/2". To include outline drawings and pressure correction curves. (BPM 775 Pt. 4)	1441.00	Bought Kirov Oct. 23, 1947 8/2 1211
Krohn-Holton Regulator Company Milw. 6736	2 each	1/2" 1/2" Back Pressure Regulator, cast iron body, flange ends 1/2" 1/2" 1/2" Standard 1/2" 1/2" stainless steel trim, Grease sealed lubricator, 1/2" bronze 1/2" cone, adjustable range 1/2" PSI, Controlling Air 0-25 CFM. (BPM 775 Pt. 3)		
	1 each	1/2" 1/2" Back Pressure Regulator, Cast Iron Body, unground ends, 1/2" 1/2" stainless steel trim, Grease sealed lubricator, 1/2" bronze 1/2" cone, adjustable range 1-7 PSI Valve open above 1 PSI, Controlling Air 0-25 CFM. (BPM 775 Pt. 3)	492.00	Bought Kirov 8/2 1211

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QUANTITIES OF ITEMS AND VOLUMES OF PACKS TO BE SHIPPED TO THE FOLLOWING:

CONTRACTOR	Quantity	Material	Value	Remarks
Greene & Company, Ltd., 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	1000	1000	1000	1000

The following items were all shipped on the following dates: 1. 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 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REPLACEMENT REPORT  
 EQUIPMENT OF FIVE ARE LISTED FOR REPAIRS RELATING TO STEEL BRIDGE

QUANTITY	ITEM	REMARKS	TOTAL		DATE	REMARKS
			QTY	PRICE		
11	1" 1/2" all iron gate valves 7 & 8 P&H air under water tested					
46	1 1/2" O.D. style 7" handwheels					
4	2" 1/2" 1000 psi valves T&E SCH					
25	1" 1/2" 1000 psi valves T&E SCH					
45	1" 1/2" 1000 psi valves T&E SCH					
100	1" 1/2" 1000 psi valves T&E SCH					
25	1" 1/2" 1000 psi valves T&E SCH					
46	1" 1/2" 1000 psi valves T&E SCH					

Estimated, 2/2, 1949  
 February 2, 1949

REPORT OF PIPE AND FITTINGS SHIPPED TO THE U.S. MARINE CORPS

CONTRACT NO.	ITEM	QUANTITY	REMARKS
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The following piping was shipped on the ship U.S.S. LST-1201, January 8, 1948. Total value \$448.21

1	210 ft.	1 1/2" black pipe, threaded and coupled
2	115 ft.	1 1/2" "
3	252 ft.	1 1/2" "
4	168 ft.	1 1/2" galvanized pipe threaded and coupled
5	450 ft.	1" galvanized pipe, plain ends and coupled
6	105 ft.	1 1/2" black pipe threaded and coupled
7	125 ft.	1 1/2" galvanized pipe threaded and coupled
8	69 ft.	4" black pipe, plain ends threaded and coupled
9	93 ft.	6" x 25 lbs. 8" x 25 lbs. pipe, plain ends
10	20 ft.	1 1/2" x 1/2" "

The following piping was shipped on the ship U.S.S. LST-1214, February 14, 1948. Total value \$1,553.83

1	147 ft.	1 1/2" black, threaded and coupled
2	210 ft.	1 1/2" "
3	775 ft.	1" stainless steel no. 304 pipe, seamless
4	111 ft.	2" stainless steel no. 304 pipe, seamless
5	105 ft.	3" black pipe, plain ends
6	69 ft.	4" black pipe, plain ends
7	68 ft.	6" black pipe, plain ends

The following piping was shipped on the ship U.S.S. LST-1214, February 14, 1948. Total value \$322.46

1	147 ft.	1 1/2" black, pipe, threaded and coupled
2	210 ft.	1 1/2" "
3	210 ft.	1" galvanized pipe threaded and coupled
4	66 ft.	7" black pipe, plain ends
5	51 ft.	4" "

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The following schedule is in accordance with the first schedule, total value \$122.46

[illegible]

The following items were delivered by February 29th, 1948 and will be shipped as soon as possible. This will constitute the last and final shipment of a total of 100,000 units, total value \$40.35.

236 ft.	1" galv. pipe, tapered and coupled	} Controlled
237 ft.		
238 ft.	6" black pipe, pipe ends	
239 ft.	6" = 20 lbs. black pipe, pipe ends	
240 ft.		

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Item #	Description	Quantity	Unit	Remarks	Date	Signature	Initials
1	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
2	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
3	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
4	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
5	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
6	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
7	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
8	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
9	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
10	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
11	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
12	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
13	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
14	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
15	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
16	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
17	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
18	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
19	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
20	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
21	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
22	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
23	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
24	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
25	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
26	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
27	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
28	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
29	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]
30	A-1000	1	kg	A-1000	10/10/70	[Signature]	[Initials]

U.S. 10/1/68-26

Item	Description	Quantity	Unit	Value	Remarks
1	General American Transducer Corp.	2	77-2/13	\$1,087.60	Two-Stage, Impellers, quadrupole; for operation without others. (in 1007)
2	Bell-Astec, Ltd., Food & Drug	1			Sample plus penicillin & crystal form 1007
3	Bell-Astec, Ltd., Food & Drug	1			Sample plus penicillin & crystal form 1007 (non-standard)
4	Bell-Astec, Ltd., Food & Drug	1			Sample standard chloroform, serum 1007
5	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
6	Bell-Astec, Ltd., Food & Drug	1			Sample penicillin chloroform 1007-228
7	Bell-Astec, Ltd., Food & Drug	1			Sample penicillin chloroform 1007-228
8	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
9	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
10	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
11	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
12	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
13	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
14	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
15	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
16	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
17	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
18	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
19	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
20	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
21	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
22	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
23	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
24	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228
25	Bell-Astec, Ltd., Food & Drug	1			Sample bellows bellows 1007-228

60" dia. by 17-1/2" long storage tank  
 welded operating on side of 1/16" steel  
 plate in shell is flange, with 1/2"  
 thick annular flange, welded on  
 and 1/2" to each end. Flange has  
 one piece of metal outside only, all  
 shells to be stamped for shipping.

General American Transducer Corp.  
 1007-228

Company	Order No.	Quantity	Particulars	Value	Remarks
Windsor Engineering Co. Ltd.	AI-3756 P-2	170	Three (Aluminum or Copper Conduits) with individual thermometers like one has for building while during freezing and drying.	\$1,347.00	Shipped M/L 27 Jan 5/47 After 10 above built and shipped 4th 5/47 and built another 21 5/47
Taylor Instruments Co.	AI-3758 P-2	2	Single Van Taylor Recording Thermometers Chart No. 37508, size 6-10 x 10" and 12" x 12" aluminum tubing also length 20" with one piece air filter and one air reducing valve of per van Taylor same steel van action Air-drums valve.	\$1,927.00	Shipped M/L 27 Jan 5/47
Taylor Instruments Co.	AI-3758 P-2	1	Single Van Taylor Recording Thermometers Chart No. 37508, size 6-10 x 10" and 12" x 12" aluminum tubing, also length 20" with one piece air filter and one air reducing valve of per van Taylor same steel van action Air-drums valve.	\$1,927.00	Shipped M/L 27 Jan 5/47
Windsor Engineering Co. Ltd.	AI-3757 P-2	1	Instructions for steel sterilizing of penicillin vials, diameter 10", length 7"	\$1,400.00	Shipped M/L 27 Jan 5/47
Canadian Ice Machine Company	AI-3759 P-2	1	Canadian Ice Refrigerator Machine (same as one 2 Piping)	\$1,347.00	Shipped M/L 27 Jan 5/47
Windsor Engineering Co. Ltd.	AI-3756 P-2	1	Instructions for steel sterilizing of penicillin vials, diameter 10", length 7"	\$1,400.00	Shipped M/L 27 Jan 5/47



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70-020008-3







100-443887-100



Classification	Quantity	Material	Quantity	Material	Quantity	Material
Raw Shell and Bone, Carbonated	21 V6	2 long bone	21 V6	2 long bone	21 V6	2 long bone
V. T. Tully & Rogers Co.	78-1069	700 lbs.	78-1069	700 lbs.	78-1069	700 lbs.
V. T. Tully & Rogers Co.	78-1070	1,200 lbs.	78-1070	1,200 lbs.	78-1070	1,200 lbs.
Care & Co. Ltd.	217	700 lbs.	217	700 lbs.	217	700 lbs.
Chemical Industries Corp. (H. L. S.)	78-358	3,719 tons	78-358	3,719 tons	78-358	3,719 tons
Ingram & Bell, Ltd.	80-517	5,200 lbs.	80-517	5,200 lbs.	80-517	5,200 lbs.
V. T. Tully & Rogers Co.	78-1071	50 lbs.	78-1071	50 lbs.	78-1071	50 lbs.
Ingram & Bell, Ltd.	80-517	5,200 lbs.	80-517	5,200 lbs.	80-517	5,200 lbs.
V. T. Tully & Rogers Co.	78-1072	50 lbs.	78-1072	50 lbs.	78-1072	50 lbs.
Ingram & Bell, Ltd.	80-517	5,200 lbs.	80-517	5,200 lbs.	80-517	5,200 lbs.
V. T. Tully & Rogers Co.	78-1073	50 lbs.	78-1073	50 lbs.	78-1073	50 lbs.
Ingram & Bell, Ltd.	80-517	5,200 lbs.	80-517	5,200 lbs.	80-517	5,200 lbs.

Order No.	Order Date	Order Description	Order Qty	Order Price	Order Total	Order Status	Order Date
1000	10/1/57	1000	1000	1000	1000	1000	10/1/57
1001	10/1/57	1001	1001	1001	1001	1001	10/1/57
1002	10/1/57	1002	1002	1002	1002	1002	10/1/57
1003	10/1/57	1003	1003	1003	1003	1003	10/1/57
1004	10/1/57	1004	1004	1004	1004	1004	10/1/57
1005	10/1/57	1005	1005	1005	1005	1005	10/1/57
1006	10/1/57	1006	1006	1006	1006	1006	10/1/57
1007	10/1/57	1007	1007	1007	1007	1007	10/1/57
1008	10/1/57	1008	1008	1008	1008	1008	10/1/57
1009	10/1/57	1009	1009	1009	1009	1009	10/1/57
1010	10/1/57	1010	1010	1010	1010	1010	10/1/57
1011	10/1/57	1011	1011	1011	1011	1011	10/1/57
1012	10/1/57	1012	1012	1012	1012	1012	10/1/57
1013	10/1/57	1013	1013	1013	1013	1013	10/1/57
1014	10/1/57	1014	1014	1014	1014	1014	10/1/57
1015	10/1/57	1015	1015	1015	1015	1015	10/1/57
1016	10/1/57	1016	1016	1016	1016	1016	10/1/57
1017	10/1/57	1017	1017	1017	1017	1017	10/1/57
1018	10/1/57	1018	1018	1018	1018	1018	10/1/57
1019	10/1/57	1019	1019	1019	1019	1019	10/1/57
1020	10/1/57	1020	1020	1020	1020	1020	10/1/57
1021	10/1/57	1021	1021	1021	1021	1021	10/1/57
1022	10/1/57	1022	1022	1022	1022	1022	10/1/57
1023	10/1/57	1023	1023	1023	1023	1023	10/1/57
1024	10/1/57	1024	1024	1024	1024	1024	10/1/57
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1027	10/1/57	1027	1027	1027	1027	1027	10/1/57
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1041	10/1/57	1041	1041	1041	1041	1041	10/1/57
1042	10/1/57	1042	1042	1042	1042	1042	10/1/57
1043	10/1/57	1043	1043	1043	1043	1043	10/1/57

Approved For Release 2002/07/24 : CIA-RDP80-00926A003700020008-3

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<p>1. <b>Subject:</b> [Illegible]</p>	<p>2. <b>Reference:</b> [Illegible]</p>	<p>3. <b>Summary:</b> [Illegible]</p>	<p>4. <b>Details:</b> [Illegible]</p>	<p>5. <b>Conclusion:</b> [Illegible]</p>	<p>6. <b>Recommendations:</b> [Illegible]</p>	<p>7. <b>Remarks:</b> [Illegible]</p>	<p>8. <b>Signature:</b> [Illegible]</p>	<p>9. <b>Date:</b> [Illegible]</p>	<p>10. <b>Page:</b> [Illegible]</p>	<p>11. <b>File:</b> [Illegible]</p>	<p>12. <b>Notes:</b> [Illegible]</p>	<p>13. <b>Comments:</b> [Illegible]</p>	<p>14. <b>Other:</b> [Illegible]</p>
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There are many other things which I have seen and heard of, but I cannot describe them all. I have seen many strange sights and heard many strange stories. I have seen many things which I cannot explain. I have heard many things which I cannot believe. I have seen many things which I cannot understand. I have heard many things which I cannot hear. I have seen many things which I cannot see. I have heard many things which I cannot hear. I have seen many things which I cannot see. I have heard many things which I cannot hear.

specimens to these last-mentioned, which, when  
 returned and the full breeding season, were  
 observed later than, indeed, up to the type of  
 male a white, dark red, and black and  
 black of various shades. This specimen was  
 also taken in the same place. (See also p. 10)  
 1.000 breeding specimens, 1000 from the same  
 place, 1000 from the same place, 1000 from the same  
 place, and 1000 from the same place. (See also p. 10)





1. **General**  
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STATUS OF PATENT RIGHTS RELATIVE TO COMMERCE

U.S. Pat. 2,175,741-48

PAGE 2

PATENT NO.	CLASS.	CLASS.	CLASS.	CLASS.	CLASS.
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381
U.S. Pat. 2,175,741-48	41-381	2	2	41-381	41-381

STATUS OF RESEARCH REPORTS OF COMBUSTION

C.P.A. 3-1754/10-01

Page 2

REPORTING AGENCY	REPORT NO.	REPORT TITLE	REPORT DATE	REPORT STATUS	REPORTING AGENCY	REPORT NO.	REPORT TITLE	REPORT DATE	REPORT STATUS
General Electric Research Lab.	GE-3000	1	1958	1	General Electric Research Lab.	GE-3000	1	1958	1
<p>Investigation of the combustion of hydrogen in a constant volume bomb. The results show that the combustion of hydrogen in a constant volume bomb is a rapid process and that the rate of combustion is independent of the initial pressure. The results also show that the combustion of hydrogen in a constant volume bomb is a rapid process and that the rate of combustion is independent of the initial pressure.</p>									
General Electric Research Lab.	GE-3000	1	1958	1	General Electric Research Lab.	GE-3000	1	1958	1
<p>Investigation of the combustion of hydrogen in a constant volume bomb. The results show that the combustion of hydrogen in a constant volume bomb is a rapid process and that the rate of combustion is independent of the initial pressure. The results also show that the combustion of hydrogen in a constant volume bomb is a rapid process and that the rate of combustion is independent of the initial pressure.</p>									
General Electric Research Lab.	GE-3000	1	1958	1	General Electric Research Lab.	GE-3000	1	1958	1
<p>Investigation of the combustion of hydrogen in a constant volume bomb. The results show that the combustion of hydrogen in a constant volume bomb is a rapid process and that the rate of combustion is independent of the initial pressure. The results also show that the combustion of hydrogen in a constant volume bomb is a rapid process and that the rate of combustion is independent of the initial pressure.</p>									

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Contract Number	Contract Title	Contract Description	Contract Status	Contract Value	Contract Date	Contract Location	Contract Remarks
1	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
2	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
3	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
4	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
5	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
6	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
7	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
8	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
9	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
10	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
11	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
12	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
13	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
14	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300
15	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300	A-1-300

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明倫彙編

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**F**

75-4  
 100% Vertical Fluoride glass-lined steel storage tanks furnished with 2" of inert insulation completely covered with a 3/16" mastic and embedded with 1/2" rebar.

75-4	95,566.97	PALESTINE 2/7/65
		Nov. 27/65

in pairs 4 and 5 regular customers would not place carbon sheet on the shell side and in 6's type 30's stainless on the tube side. Planned on type 30's for 6's changed, for coolant circulated in 7's changed. Planned on type 30's stainless 6's on 18 gauge 12" or 14" in. tube sheets 1/2" thick design pressure 15 lbs. 1 sq. in. with shell and tube sides.

3-22-68

sample, 3 in 10 cm, resulting in a total working load of 20 feet, 1 1/2 - 1 1/2 ft. of sample, stored for 1 - 2 months and 1 discharge and received by 2 ft. sample, 20/100, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000, 10100, 10200, 10300, 10400, 10500, 10600, 10700, 10800, 10900, 11000, 11100, 11200, 11300, 11400, 11500, 11600, 11700, 11800, 11900, 12000, 12100, 12200, 12300, 12400, 12500, 12600, 12700, 12800, 12900, 13000, 13100, 13200, 13300, 13400, 13500, 13600, 13700, 13800, 13900, 14000, 14100, 14200, 14300, 14400, 14500, 14600, 14700, 14800, 14900, 15000, 15100, 15200, 15300, 15400, 15500, 15600, 15700, 15800, 15900, 16000, 16100, 16200, 16300, 16400, 16500, 16600, 16700, 16800, 16900, 17000, 17100, 17200, 17300, 17400, 17500, 17600, 17700, 17800, 17900, 18000, 18100, 18200, 18300, 18400, 18500, 18600, 18700, 18800, 18900, 19000, 19100, 19200, 19300, 19400, 19500, 19600, 19700, 19800, 19900, 20000, 20100, 20200, 20300, 20400, 20500, 20600, 20700, 20800, 20900, 21000, 21100, 21200, 21300, 21400, 21500, 21600, 21700, 21800, 21900, 22000, 22100, 22200, 22300, 22400, 22500, 22600, 22700, 22800, 22900, 23000, 23100, 23200, 23300, 23400, 23500, 23600, 23700, 23800, 23900, 24000, 24100, 24200, 24300, 24400, 24500, 24600, 24700, 24800, 24900, 25000, 25100, 25200, 25300, 25400, 25500, 25600, 25700, 25800, 25900, 26000, 26100, 26200, 26300, 26400, 26500, 26600, 26700, 26800, 26900, 27000, 27100, 27200, 27300, 27400, 27500, 27600, 27700, 27800, 27900, 28000, 28100, 28200, 28300, 28400, 28500, 28600, 28700, 28800, 28900, 29000, 29100, 29200, 29300, 29400, 29500, 29600, 29700, 29800, 29900, 30000, 30100, 30200, 30300, 30400, 30500, 30600, 30700, 30800, 30900, 31000, 31100, 31200, 31300, 31400, 31500, 31600, 31700, 31800, 31900, 32000, 32100, 32200, 32300, 32400, 32500, 32600, 32700, 32800, 32900, 33000, 33100, 33200, 33300, 33400, 33500, 33600, 33700, 33800, 33900, 34000, 34100, 34200, 34300, 34400, 34500, 34600, 34700, 34800, 34900, 35000, 35100, 35200, 35300, 35400, 35500, 35600, 35700, 35800, 35900, 36000, 36100, 36200, 36300, 36400, 36500, 36600, 36700, 36800, 36900, 37000, 37100, 37200, 37300, 37400, 37500, 37600, 37700, 37800, 37900, 38000, 38100, 38200, 38300, 38400, 38500, 38600, 38700, 38800, 38900, 39000, 39100, 39200, 39300, 39400, 39500, 39600, 39700, 39800, 39900, 40000, 40100, 40200, 40300, 40400, 40500, 40600, 40700, 40800, 40900, 41000, 41100, 41200, 41300, 41400, 41500, 41600, 41700, 41800, 41900, 42000, 42100, 42200, 42300, 42400, 42500, 42600, 42700, 42800, 42900, 43000, 43100, 43200, 43300, 43400, 43500, 43600, 43700, 43800, 43900, 44000, 44100, 44200, 44300, 44400, 44500, 44600, 44700, 44800, 44900, 45000, 45100, 45200, 45300, 45400, 45500, 45600, 45700, 45800, 45900, 46000, 46100, 46200, 46300, 46400, 46500, 46600, 46700, 46800, 46900, 47000, 47100, 47200, 47300, 47400, 47500, 47600, 47700, 47800, 47900, 48000, 48100, 48200, 48300, 48400, 48500, 48600, 48700, 48800, 48900, 49000, 49100, 49200, 49300, 49400, 49500, 49600, 49700, 49800, 49900, 50000, 50100, 50200, 50300, 50400, 50500, 50600, 50700, 50800, 50900, 51000, 51100, 51200, 51300, 51400, 51500, 51600, 51700, 51800, 51900, 52000, 52100, 52200, 52300, 52400, 52500, 52600, 52700, 52800, 52900, 53000, 53100, 53200, 53300, 53400, 53500, 53600, 53700, 53800, 53900, 54000, 54100, 54200, 54300, 54400, 54500, 54600, 54700, 54800, 54900, 55000, 55100, 55200, 55300, 55400, 55500, 55600, 55700, 55800, 55900, 56000, 56100, 56200, 56300, 56400, 56500, 56600, 56700, 56800, 56900, 57000, 57100, 57200, 57300, 57400, 57500, 57600, 57700, 57800, 57900, 58000, 58100, 58200, 58300, 58400, 58500, 58600, 58700, 58800, 58900, 59000, 59

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each storage compartment. Several types under developing consideration. One type would be to have two rotating drums, one to take charge and return, diameters 30 in. by 30 in. to be made up of wood etc. The rotating drum would be fully self contained and mounted in such a way that it would be possible to spin them singly or in pairs. They should be controlled from an integral control unit. (See sketch)

Ref: 1-10

Refrigerating unit, self-contained, installed, complete with service equipment, 3 h.p., 225 volts, 97' of 60 amp electrically and w. air-cooled condenser, Mount 1700 value \$4,000.00  
\$4,000.00  
\$4,000.00

[illegible]



THE

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Approved For Release 2002/07/24 : CIA-RDP80-00926A003700020008







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11

AMERICAN BANK  
101 W. 11th  
New York

There are three 1. except 1 has only one  
system 1/2 assembly attached to the 1/2  
connection. Cool 1/2 in right extension  
as 1/2 extension about 22 1/2 long in  
extension left. (over 1/2 1/2)

[illegible]

REPLY Mr. C. L. W. (p. 79 n. 6)

standard contract n. (WFO 779 p. 6)

...the ... of ...

**RECEIVED**

slabs, circular - 15" diameter. 63 Nos.

...with the ...

Mr. Miller: (for Parents) motion that I

5'8" overall. Bottom 12" to be extended to

be found red (usually) - tried to be con-

As noted in the report, 91 persons reported as 16 or older.

[illegible]

**-91**

be entered under of page 12. The 2nd column  
be entered in column 11 and 12 is entered

三、關於「中國共產黨」。中國共產黨，係由中國工人階級之先進分子，在馬克思列寧主義之指導下，組織起來的。其宗旨在於推翻帝國主義和封建主義的統治，建立一個獨立的、自由的、民主的中國。中國共產黨在長期的革命鬥爭中，已經形成了自己的理論、路線、綱領和組織，並建立了廣泛的群眾基礎。

[illegible]

12-17-57

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific information required.

**THE UNIVERSITY OF CHICAGO**

to be 10. See also list of books. (P)

[illegible]







Best Reelaid W L 3 Feb 21/56  
(continued)

[illegible]



WITH RECORDS IS ASSIGNED OFFICIALS, FOR PRELIMINARY OR ONLY TO INVESTIGATE  
AND TO INVESTIGATE

THE

[illegible]

~~SECRET~~

20/12/01 1/14 10/12/01

THE UNITED STATES OF AMERICA  
DISTRICT COURT OF THE DISTRICT OF COLUMBIA  
IN RE: THE ESTATE OF JAMES EARL RAY, JR.  
DECEASED  
JAMES EARL RAY, JR., DECEASED  
BY AND THROUGH HIS ESTATE  
PLAINTIFF  
VS.  
THE UNITED STATES OF AMERICA  
DEFENDANT

Inventory of items and quantities for purchase of materials for the construction of a building

Item	Quantity	Remarks
------	----------	---------

The following items are shipped on the SSLS 27 to 511 1/2 W 1 January 5, 1968, total value \$208.21.

1	208 ft.	1/2" black pipe, threaded and coupled
2	375 ft.	1/2" "
3	220 ft.	3/4" "
4	140 ft.	3/4" galv. pipe threaded and coupled
5	420 ft.	1" "
6	105 ft.	1 1/2" black pipe
7	125 ft.	1 1/2" galv. pipe, threaded and coupled
8	65 ft.	1 1/2" black pipe, plain ends
9	37 ft.	2" x 25 lbs. black pipe, plain ends
10	80 ft.	2" x 30 lbs.

The following items are shipped on the SSLS 27 to 511 1/2 W 1 February 5, 1968, total value \$1,440.67.

1	197 ft.	1/2" black pipe, threaded and coupled
2	210 ft.	1" "
3	210 ft.	1" galv. pipe
4	140 ft.	1" stainless steel pipe, 1/2" pipe, seamless
5	121 ft.	1" stainless steel pipe, 1/2" pipe, seamless
6	105 ft.	1 1/2" black pipe, plain ends
7	65 ft.	1 1/2" "
8	37 ft.	2" x 25 lbs.
9	80 ft.	2" x 30 lbs.

The following items are shipped on the SSLS 27 to 511 1/2 W 1 February 5, 1968, total value \$528.16.

1	197 ft.	1/2" black pipe, threaded and coupled
2	210 ft.	1" "
3	210 ft.	1" galv. pipe, threaded and coupled
4	140 ft.	1" stainless steel pipe, 1/2" pipe, seamless
5	121 ft.	1" stainless steel pipe, 1/2" pipe, seamless
6	105 ft.	1 1/2" black pipe, plain ends
7	65 ft.	1 1/2" "
8	37 ft.	2" x 25 lbs.
9	80 ft.	2" x 30 lbs.

STATEMENT OF THE  
COMMISSIONER OF THE  
LAND OFFICE  
FOR THE YEAR  
1907

**THE UNIVERSITY OF CHICAGO**

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4001  
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STATEMENT OF PERTINENT EQUIPMENT ON BOARD  
OF  
C-47, B-1728/TK 144

Page 1

DESCRIPTION	Serial No.	Quantity	REMARKS	EST. COST	REMARKS
General Electric Co. Ltd.	AL-1000	1	1441 Canadian Powerwell Band Class RS 1-4L Class 1 construction air compressors complete with accessories (price inclusive).		After June 14, 1947 N/L 40
			1 ea. Filter, Air Inlet ) These two items not included in original shipment		
			1 ea. Receiver, Intake ) on Arter, but were shipped separately on the Tripert		
			1 ea. Receiver, Air, 4" x 10" ) N/L 90 - Rev. 14, 1947		
			1 ea. After Cooler, 50 S.W. with Safety Valve		
			1 ea. Motor, 60 H.P., 360/220V, 3 Phase, 60 cycle		
			1 ea. Compressor, Starting, for above 60 H.P. motor	\$4,000.00	
	RS-1	1	1 ea. 1447 Canadian Ignitwell Class RS 1 pump and accessories (price inclusive).		
			1 ea. Motor, 30 H.P., 360/220V, 3 phase, 60 cycle including starting compressors.		
			1 ea. Motor, Starting, for above motor.		
General Electric Co. Ltd.	AL-1001	2	10 H.P., 3 phase, 60 cycle, 1200 RPM, 220/240 V, 60° S. rim, protected type N-2. Enclosed cage induction motors with manual starting handle and low starting current and 10 only have for motor complete with starters.	\$400.00	Warrant N/L 40 Sept. 4, 1947
General Electric Co. Ltd.	AL-1002	2	2 ea. 1/4 or 1 H.P., 240/220V, 3 phase, 60 cycle	\$ 125.00	Warrant N/L 40 May 4, 1947
General Electric Co. Ltd.	AL-1003	1	1 ea. 1/2 hp. 240/220V centrifugal pump, standard fitted with open type iron impeller, full bearing, direct connected to 1/2 hp. 3 phase, 60 cycle, 220/240V, 1200 RPM standard improved protected type motor, together with manual starting handle having thermal overload protection.	\$ 150.00	After N/L 40 June 14, 1947

# INVENTORY OF PERIODICALS RECEIVED TO POLAND

U.S. D-1700/PC-200

Page 1

Serial Quantity		DATE		Value		REMARKS	
No. Received		No. Received		No. Received		No. Received	
The American Petroleum Institute Co.		AJ-4004		1		Petroleum-Merco 1 1/2", Figure 100L, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Pump & Equipment Company 3 h-p., 3 phase, 80 cycle, 200/200V, 1500 RPM, 50% rise, standard protected type electric motor.	
		AJ-4004		1		Petroleum-Merco 1 1/2", Figure 100L, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Pump & Equipment Co. 3 h-p., 3 phase, 80 cycle, 200/200 V, 1500 RPM, 50% rise, standard protected type electric motor.	
Super Petroleum Corporation of Canada, Ltd.		AJ-4006		1		Thermometer, Instrument Recording, (Figure 100L), 2 pen recorder with left and right tube system, 10 ft. leads, with a left right 10-000 scale and valve connection assembly. Range of instrument, 0-200°F., with over-range protection 2 in. 10-00-000. Thermometer, Recording, 2 pen, chart form is above sample for 1st lead & 10-0/0° scale).	
		AJ-4006		1		Thermometer, Recording, 2 pen, (see in above sample for 1st lead & 10-0/0° scale).	
Petroleum & Industrial Ltd.		AJ-4006		1		Type 100° agitator having 1 h-p., 200/200V, 3 phase, 80 cycle, 1500 RPM open protected motor chassis steel shaft, and pollen for use in tank 40 ft. x 4 ft. deep	
The Electric Iron Works Ltd.		AJ-4006		1		Shaft, 10 x 1 1/2"	
		AJ-4006		1		Shaft, 10 x 1 1/2" x 8' x 80° plain steel complete with roller motor coupling and also coupling to 100V	
General American Transportation Corp.		TPO-4000		1		Turbine-chamber, Impeller, construction for agitation without motor. (20-100V)	
Anti-Corrosion, Ltd., Food & Drug				1		Sample pure penicillin 8 crystal form 100 (non-standard)	
				1		Sample pure penicillin 8 crystal form 100 (non-standard)	

Shipped over to Poland



Page 1

## SUMMARY OF PURCHASES FOR EAST &amp; POLAND

C.I.B. - Bureau of Customs

CONTRACT	Serial No.	Quantity Ordered	DETAILS	PAID TO Vendor	STANDARD
Anti-Bacterial, MBL, Food & Drug (cont'd)	1	1	Sample standard streptomycin sodium POB	Forward over to Dr. Williams	
	1	1	Sample Bacillus subtilis ATCC 6011-280		
	1	1	Sample penicillin G potassium 1000 EEC		
	1	1	Sample penicillin G potassium 1000 EEC		
	1	1	Sample Bacillus subtilis ATCC 6011-280		
Eastern Wisconsin	1	1	Sample T-1012 in soil		
	1	1	Sample culture 1		
	1	1	Sample culture 2194		
Pacific Bell Inc.	AL-4017	1 only	60" dia. by 18"-30" high storage tanks welded construction made of 3/16" steel plate in shell for flatheads, with 14" bolted manhole front for serviceability and two 1/2" in each head. Painted two deep coats of paint outside only, all outside to be plugged for shipping.	\$ 270.00	Marquette B/L 21 Jan 16, 1969
Quincy Equipment Co., Ltd.	AL-3026 PA-2	1 only	20 gal. 20 covered tanks with Central bottom & 20 sealing coil. This tank shipped without agitator.  For agitator & transmission for above tank was shipped with 200 gal. tank. Contained AL 3109	\$ 400.00	Marquette B/L 7 Mar 16, 1969
AL-3026 PA-2	100 only	100 only	100 only 1000 aluminum or Copper Construction with individual compartments 1100 mesh wire for milling plate during freezing and drying.	\$1,400.00	Marquette B/L 7 Nov. 6, 1969

## INVENTORY OF MATERIALS RECEIVED TO POLAND

C.A.S. 1-175170-208

VENDOR	Serial Quantity No. received	MATERIAL	Lot No.		REMARKS
			Lot No.	Value	
Taylor Machine Co.	AI-0000 2 only	Single Pen Taylor Recording Transmitters Chart No. 67 1958.			Hand Chart
	20-0	Range 0-1000 10' lead 20-0 25 Automatic tubing stem length 34" with one Triac Air Filter and one air reducing valve (A) and one Taylor Mono Steel Free Action Diaphragm valve.			2/1 17 Feb. 24, 1959
Taylor Machine Co.	AI-0000 4 only	Single Pen Taylor Recording Transmitters Chart No. 67 1958.			
	20-0	Range 0-1000 10' lead 20-0 25 Automatic tubing, stem length 34" with one Triac Air Filter and one air reducing valve (A) and one Taylor Mono Steel Free Action Diaphragm valve.			
Canadian Bridge Co., Ltd.	20-0 4 only	Taylor Range Transmitters		0 1.000.00	
	AI-0000 2 only	Substrates for steam sterilizing of Penicillin Vials 40- meters 50", length 7".		0 1.000.00	Surrogate 20.0 Rev. 24, 1958
Canadian Ice Machine Company	AI-0000 1 only	Canadian Ice Refrigerator Valve Components a Pignol		0 100.00	Surrogate 20.0 Rev. 24, 1958
	AI-0000 2 only	Refrigerator Valve Components, 10' lead, 1000 PSI 100/1000. 3 phases, 30 cycles, 50 PSI, 0. 1000 PSI 100/1000. tested type, with certification bearings and with filling hose but without valve.		0 100.00	Surrogate 2/1 17 Feb. 24, 1959
United Steel Co., Ltd.	AI-0000 20	Roll Drive, 5000, 2000 70, for 15 hp- motor, belt and pulley to fit as motor.		0 100.00	ed
	AI-0000 2	Can Gurn Oil, 12 gal., complete with pump and safety valve.		0 100.00	
Powers Engineering Co.	AI-0000 1	Roll, 100 7.5 Gallon Stainless Steel with Gull		0 100.00	Surrogate 2/1 17 Feb. 24, 1959
	AI-0000 1	Roll, 100 7.5 Gallon Stainless Steel with Gull		0 100.00	



ORDER NO.	Quantity Ordered	SERIAL No.	MATERIAL	PAID TO Vendor	REMARKS
Pender and Parker Company	1 only	AL-8008	100th classiers		March 1947
	1 only		Acetate Refractometers		2/1 1947
	1 only		Phosphoric Acid Refractometers		Feb. 19, 1947
	1 only		Refractometers for water	\$ 429.00	
Caplan, J.A., Service Eng. Co.	8 only	AL-8006	Special No. 1A Excess Vacuum Chamber Drivers, each Cabinet to have 8 or 6 shelves.	4,800.00	March 1947
Robinson, R.L. Parker Co., Inc.	1 only	AL-8005	Laboratorial size oil testing centrifuge with 700 A motor head	88.10	2/1 1947
Hamilton Laboratory Supply	8 only	AL-8004	Model 60 100 50-10 Brewer Automatic Pipetting Machines	240.00	March 1947
	1 only		Killed four-stage steam with instrument operating 115 lb. steam pressure		Feb. 19, 1947
	1 only		Killed three-stage steam ejector for use in starting operations.		2/1 1947
	2 each	AL-8003	Pump set, consisting of: 1 each Acetate Pump 1 each Breath Pump 8 each Stering Acetate Transfer Pumps 1 each Stering Acetate Transfer Pumps 1 each Wash Tanks & Solvent Filling Pumps 1 each Chloroform Pumps 1 each Syringe Pump 1 set 25-75 cc. dead gear pump, 2 1/4 h.p. motor, 2 1/4 h.p. motor, cast steel castings or equivalent	8,000.00	March 1947
	1 each	AL-8002	Acid pump set pump, 10 gpm., 20" head, hard rubber		2/1 1947
	1 each	AL-8001	2 1/4 h.p. explosion-proof	2,975.00	March 1947
	1 each	AL-8000	2 1/4 h.p. explosion-proof		2/1 1947
	1 each	AL-8000	Filters all in accordance with protocol B-9025		2/1 1947
	1 each	AL-8000	Eng. 1975 of March 9.	9,000.00	2/1 1947

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ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 08-10-2001 BY 60322 UCBAW

PLANNING

# WATER

STATEMENT OF WORKING CAPITAL MATERIALS TO WILSON  
C.I.T. - 1/25/57/58 25/57

Page 13

CONTRACT	Actual quantity to be ordered	Material	Unit Price	Value	Remarks
<b>1. F. S. Baker Chem. Co.</b>					
	250 487 PMA 2476	17,000 lbs. Chloroform, technical, small, from New Chem. Co., Richland, Michigan (M 19/1960-1961-12)	\$2.25	\$3,825.00	Balance 12/1 From 1/1, 1957
<b>2. F. S. Baker Chem. Co., Ltd.</b>					
	22,000 lbs.	Phosphoric Acid, 85% H <sub>2</sub> O, Syntex, not available from American Agri. Chem. Co. (OC-519) - Wreck	\$2.25	\$4,950.00	Balance 12/1 From 1/1, 1957
		(1,000 lbs.)	\$2.25	\$2,250.00	Balance 12/1 From 1/1, 1957
<b>3. F. S. Baker Chem. Co.</b>					
	14 385 PMA 2476	1,000 lbs. Acid Thymol acetate	\$1.25	\$1,250.00	Balance 12/1 From 1/1, 1957
<b>4. F. S. Baker Chem. Co.</b>					
	25 1070 PMA 2476	200 lbs. Cotton Yarn, 100% C.P. Persephone, 100% Cotton	\$4.50	\$900.00	Balance 12/1 From 1/1, 1957
<b>5. F. S. Baker Chem. Co., Ltd.</b>					
	14 385 PMA 2476	1,000 lbs. Acid Thymol acetate	\$1.25	\$1,250.00	Balance 12/1 From 1/1, 1957
<b>6. F. S. Baker Chem. Co.</b>					
	25 1070 PMA 2476	200 lbs. Cotton Yarn, 100% C.P. Persephone, 100% Cotton	\$4.50	\$900.00	Balance 12/1 From 1/1, 1957
<b>7. F. S. Baker Chem. Co., Ltd.</b>					
	14 385 PMA 2476	1,000 lbs. Acid Thymol acetate	\$1.25	\$1,250.00	Balance 12/1 From 1/1, 1957
<b>8. F. S. Baker Chem. Co.</b>					
	25 1070 PMA 2476	200 lbs. Cotton Yarn, 100% C.P. Persephone, 100% Cotton	\$4.50	\$900.00	Balance 12/1 From 1/1, 1957
<b>9. F. S. Baker Chem. Co., Ltd.</b>					
	14 385 PMA 2476	1,000 lbs. Acid Thymol acetate	\$1.25	\$1,250.00	Balance 12/1 From 1/1, 1957
<b>10. F. S. Baker Chem. Co.</b>					
	25 1070 PMA 2476	200 lbs. Cotton Yarn, 100% C.P. Persephone, 100% Cotton	\$4.50	\$900.00	Balance 12/1 From 1/1, 1957

CONTRACTOR	Serial No.	Quantity Ordered	DESCRIPTION	UNIT PRICE	TOTAL	DATE
<b>WATERBURY LABORATORY</b>						
Waterbury Lab., Inc.	WB-1072	10 lbs.	Acetone (distilled) (WB-3041)	\$ 242.00		May 1, 1967
Waterbury Chem. Serv.	WB-3042	24 lbs.	Purified Toluene C.P.	6.00		May 1, 1967
Waterbury Lab., Inc.	WB-1073	12 lbs.	Neat extract (WB-3041)	24.00		May 1, 1967
Waterbury Serv. Co. Inc.		2 lbs.	Chlorine (distilled) (WB-3041)	10.00		May 1, 1967
Waterbury Serv. Co. Inc.	WB-3043	2 lbs.	Lactone B.C. standard	704.00		May 1, 1967
Waterbury Serv. Co. Inc.	WB-1000	700 lbs.	Water (C.P.) (WB-3041)	222.70		May 1, 1967
Waterbury Serv. Co. Inc.	WB-1070	1,000 lbs.	Sodium Sulfate, anhydrous C.P. (WB-3041)	200.00		May 1, 1967
Waterbury Serv. Co. Inc.	WB-1071	200 lbs.	Glass wool, lead free and boron free, 1/16" mesh	1,075.00		May 1, 1967
Waterbury Serv. Co. Inc.	WB-1072	4.75 lbs.	Sodium nitrate USP VIII 0.2%	2,000.00		May 1, 1967
Waterbury Serv. Co. Inc.	WB-1073	2,000 lbs.	Potassium Carbonate	24.54		May 1, 1967



STATEMENT OF RECEIPTS AND DISBURSEMENTS TO RESEARCH  
C.S.B. - 11/27/57 TO 2/28/57

DATE	Serial No.	Quantity Ordered	REMARKS	FAV Value	DATE
<u>Penicillin Division (Cont.)</u>					
Pack. 2, 1957	62-8100	40 gm.	Alid, Para-aminobenzoic CP	\$ 88.00	Reimburse 1/1 57
					April 14, 1957
Am & Hall Lab.		50 grams	Crystal Violet 80% Soln (80-817)	\$ 1.19	Reimburse 1/1 57
					Apr. 14, 1957
Am & Hall Lab.	62-1091	50 lbs.	Agar, Granular or Almond, 80% (80-801)	\$88.00	Reimburse 1/1 57
					June 1, 1957
Am & Hall Lab.		1.100 grams	Sodium Tetracycline (80-817)	\$8.71	Reimburse 1/1 57
					Apr. 14, 1957
					Cancelled
		25 lbs. 20 gm. 25 lbs.	Casella sorbitol Oil Immersion redwooded, 80% (80-817) Sodium hypochlorite Solution 80%	\$4.00 9.00 8.00	
Am & Hall Lab.	100	1 ea.	Liquid Air trap Pyrex, 0.5 in. diam dia. of connecting tube - 20 in (80-817)	\$8.00	Reimburse 1/1 57
					June 1, 1957
Standard Oil Co. of N.J.	62-8084	3 gal.	Sealing lubricating oil. Pure paraffin oil. Viscosity 100 - 120 SAE 100	\$ 1.00	Reimburse 1/1 57
					June 1, 1957
		3 yds.	Plastic tubing (Vinylite) 0.5 in. 1/16 inch wall	\$1.00	Cancelled
Standard Oil Co.	62-760	2 ea.	Centrifuge, thermostat, 80% - 100% capacity 110 G.P. (80-8089)	\$88.00	Reimburse 1/1 57
					June 1, 1957
Standard Oil Co.	62-8084	40 ea.	Balls, Sharplac Super Centrifuge (80-80-719)	\$88.00	Reimburse 1/1 57
					April 14, 1957

Page 13

SECRETARY OF DEFENSE INSTRUCTIONS TO COUNCIL  
C.I.D. - 11/10/77

DESCRIPTION	Serial No.	Quantity Ordered	REMARKS	EST. NO.	DATE
Chem. Equipment Co., Inc.	10-000	2 sets	2.0. Intern. Lab. Model. Chem. Automat. with accessories (21-2004)	0 000.00	2/1 000 Nov. 14, 1967
Chemical Equipment Co., Ltd.		6 ea.	Carbon filter, desiccants for 14 x 11 (Dyneon) Rad. Glass 20-1-22 Class 2 construction etc. accessories (20-019)	100.00	2/1 000 Nov. 14, 1967
Chem. & Equip. Ltd.	1000	1 ea.	8 bar distillation apparatus, 2 to 500 p.s.i. (20-007)	200.00	200 200 shipped 12 000
		3 ea.	Collector, 100-10	100.00	Shipped
Physics Scientific Co., Ltd.	1000	20 ea.	Flasks, 500 ml, 1/10 graduation	110.00	2/1 000 Nov. 14, 1967
Physics Scientific Co., Ltd.	1000	10 ea.	Flasks, volumetric, 50 ea. ea. ground glass (20-007) 1000, 1000, 1000	10.00	2/1 000 Nov. 14, 1967
Chem. & Equip. Ltd.	1000	1 ea.	Pumps, oil, vacuum pump, 200-200, 5 hp. motor, 100 V, 50 cycle. (20-007)	200.00	200 200 shipped 12 000
Chem. & Equip. Ltd.	1000	1 ea.	Pumps, oil, vacuum pump, 200-200, 5 hp. motor, 100 V, 50 cycle. (20-007)	200.00	200 200 shipped 12 000
Physics Scientific Co., Ltd.	1000	1 ea.	Filters, pressure filter Biological 10 liter capacity each with 1 coarse filter glass. (20-007)	200.00	2/1 000 Nov. 14, 1967
Chemical Equip. Supplies Ltd.	1000	1 ea.	Condenser, Double Column, 100 ml. (20-007)	00.00	2/1 000 Nov. 14, 1967
		4 ea.	Platinum, 1000	0.00	Shipped
Physics Scientific Co., Ltd.	1000	200 ea.	Tubing, rubber, heavy, wall, 1/2 inch ID (20-007)	00.00	2/1 000 Nov. 14, 1967

DEPARTMENT OF HEALTH, EDUCATION & WELFARE  
C-33. - JANUARY 1967

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	PARTIAL	Quantity	DATE	PRICE
FURNISHED DRAWING Co. (cont.)	MATERIAL			
Lens 8" to be ordered as 1/8" outlet equipped with globe valve. Same specifications as above in previous purchase drawings. Outlets to be 1". See bill print attached.			APR 09	\$76.00
			DEC. 15, 1909	

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LST: BATH, INVS 4300000  
 66/000 70/000 70/000  
 6-1-0 - 1-1-0  
 6-1-0 - 1-1-0  
 6-1-0 - 1-1-0

Part	Quantity	Unit Price	Total Price	Remarks
1/2" PMS Back Pressure Regulator, cast iron body, Flanged ends, PMS 2571 Ex. By Standard gas 10/8 Stainless Steel trim. Grease sealed lubricator. Fl Grease ft. case. Adjustable range 0-20 PSL. Controlling air 0-500 CFM. (PMS 779 Pt. 3)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
1/2" PMS Back Pressure Regulator, Cast Iron body, screwed ends, PMS 10/8 Stainless Steel trim, Grease sealed lubricator. Fl Grease ft. case. Adjustable range 0-20 PSL. Controlling air 0-500 CFM. (PMS 779 Pt. 3)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
Standard Army Cup Measurers (PMS 779 Pt. 3)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
10" Stainless Steel Inertial Tubes, 7/16" x 1/2", 0.008 wall thickness. (PMS 779 Pt. 3)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
Stainless Steel Packing/Gaskets, .0150 O.D., .008 I.D., .400 length (PMS 779 Pt. 1)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
Surgeal (Surgeal Inertial) in case adjustable for export. (PMS 251)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
Seals Filters, size 100 air. (PMS 251)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
Constant Temperature water bath, type cup lab. every 1/2" spread, size 100, 200 balls. (PMS 251)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
Lab Pressure set-up as per sketch provided Flaming Scientific Co. by March. It includes manifold connecting Flaming and a pressure. (PMS 251)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957
Surgeal Filter, capacity 10 0.0-0.5, steam heated. (PMS 251)	1 each			Standard Pressure 1/2" PMS 2571 Dec. 14, 1957

STATEMENT OF WORKS AND MATERIALS REQUIRED FOR THE  
CONSTRUCTION OF THE NEW AIR TERMINAL FOR PASSENGER SERVICE AT WASHINGTON

CONTAINER	QUANTITY FOOTING	MATERIAL	UNIT PRICE	TOTAL PRICE
Steel & Co., Ltd.	100' 24"	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing	1.873.46	187,346.00
	100' 24"	2" 2" x 2" x 1/2" stainless steel seamless tubing	939.52	93,952.00

The following items were all shipped on the Henry, 3/10/41, January 22, 1941 packed in 6 boxes, gross weight, 1,723 lbs., value \$1,766.57

64	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
6	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
6	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
6	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
6	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
6	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
2	2" 2" x 2" x 1/2" stainless steel seamless tubing
11	2" 2" x 2" x 1/2" stainless steel seamless tubing
12	2" 2" x 2" x 1/2" stainless steel seamless tubing
16	2" 2" x 2" x 1/2" stainless steel seamless tubing
22	2" 2" x 2" x 1/2" stainless steel seamless tubing
50	2" 2" x 2" x 1/2" stainless steel seamless tubing
26	2" 2" x 2" x 1/2" stainless steel seamless tubing
13	2" 2" x 2" x 1/2" stainless steel seamless tubing
13	2" 2" x 2" x 1/2" stainless steel seamless tubing
1	2" 2" x 2" x 1/2" stainless steel seamless tubing

The following items were all shipped on the Henry, 3/10/41, January 22, 1941 packed in 20 boxes, gross weight, 10,844 lbs., value \$1,766.57

100	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
50	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
50	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
25	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
50	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
100	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
50	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
25	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing
50	1" 1/2" x 1" 1/2" x 1/2" stainless steel seamless tubing



Item No.	Quantity	Material	Unit Price	Total
Item Supply Co.				
1	210 feet	1" galv. pipe, threaded and capped	9.25	
2	100 feet	1" galv. pipe, threaded and capped	14.17	
3	100 feet	1" galv. pipe, threaded and capped	18.60	
4	100 feet	1" galv. pipe, threaded and capped	15.87	
5	100 feet	1" galv. pipe, threaded and capped	25.90	
6	100 feet	1" galv. pipe, threaded and capped	10.40	
7	100 feet	1" galv. pipe, threaded and capped	22.77	
8	100 feet	1" galv. pipe, threaded and capped	19.00	
9	100 feet	1" galv. pipe, threaded and capped	147.30	
10	100 feet	1" galv. pipe, threaded and capped	64.45	
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11	210 feet	1" galv. pipe, threaded and capped	18.30	
12	100 feet	1" galv. pipe, threaded and capped	64.45	
13	100 feet	1" galv. pipe, threaded and capped	190.00	
14	100 feet	1" galv. pipe, threaded and capped	1,490.70	
15	100 feet	1" galv. pipe, threaded and capped	177.45	
16	100 feet	1" galv. pipe, threaded and capped	1,490.70	
17	100 feet	1" galv. pipe, threaded and capped	1,490.70	
18	100 feet	1" galv. pipe, threaded and capped	1,490.70	

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Q 6786-6792	1" or 2"	Number of Squares	Material	Est. No. Value	Remarks
23	257 feet	1" black pipe, plain ends	100.00		
24	300 feet	1" black pipe, plain ends	100.00		
25	116 feet	1" x 25 lbs. black pipe, plain ends	171.30		
26	756 1"	1" black pipe, plain ends	1,073.15		
27	101' 2"	1" black pipe, plain ends	1,073.15		
28	101' 2"	1" black pipe, plain ends	1,073.15		
29	101' 2"	1" black pipe, plain ends	1,073.15		
30	101' 2"	1" black pipe, plain ends	1,073.15		
31	101' 2"	1" black pipe, plain ends	1,073.15		
32	101' 2"	1" black pipe, plain ends	1,073.15		
33	101' 2"	1" black pipe, plain ends	1,073.15		
34	101' 2"	1" black pipe, plain ends	1,073.15		
35	101' 2"	1" black pipe, plain ends	1,073.15		
36	101' 2"	1" black pipe, plain ends	1,073.15		
37	101' 2"	1" black pipe, plain ends	1,073.15		
38	101' 2"	1" black pipe, plain ends	1,073.15		
39	101' 2"	1" black pipe, plain ends	1,073.15		
40	101' 2"	1" black pipe, plain ends	1,073.15		
41	101' 2"	1" black pipe, plain ends	1,073.15		
42	101' 2"	1" black pipe, plain ends	1,073.15		
43	101' 2"	1" black pipe, plain ends	1,073.15		
44	101' 2"	1" black pipe, plain ends	1,073.15		
45	101' 2"	1" black pipe, plain ends	1,073.15		
46	101' 2"	1" black pipe, plain ends	1,073.15		
47	101' 2"	1" black pipe, plain ends	1,073.15		
48	101' 2"	1" black pipe, plain ends	1,073.15		
49	101' 2"	1" black pipe, plain ends	1,073.15		
50	101' 2"	1" black pipe, plain ends	1,073.15		
51	101' 2"	1" black pipe, plain ends	1,073.15		
52	101' 2"	1" black pipe, plain ends	1,073.15		
53	101' 2"	1" black pipe, plain ends	1,073.15		
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76	101' 2"	1" black pipe, plain ends	1,073.15		
77	101' 2"	1" black pipe, plain ends	1,073.15		
78	101' 2"	1" black pipe, plain ends	1,073.15		
79	101' 2"	1" black pipe, plain ends	1,073.15		
80	101' 2"	1" black pipe, plain ends	1,073.15		
81	101' 2"	1" black pipe, plain ends	1,073.15		
82	101' 2"	1" black pipe, plain ends	1,073.15		
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86	101' 2"	1" black pipe, plain ends	1,073.15		
87	101' 2"	1" black pipe, plain ends	1,073.15		
88	101' 2"	1" black pipe, plain ends	1,073.15		
89	101' 2"	1" black pipe, plain ends	1,073.15		
90	101' 2"	1" black pipe, plain ends	1,073.15		
91	101' 2"	1" black pipe, plain ends	1,073.15		
92	101' 2"	1" black pipe, plain ends	1,073.15		
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96	101' 2"	1" black pipe, plain ends	1,073.15		
97	101' 2"	1" black pipe, plain ends	1,073.15		
98	101' 2"	1" black pipe, plain ends	1,073.15		
99	101' 2"	1" black pipe, plain ends	1,073.15		
100	101' 2"	1" black pipe, plain ends	1,073.15		

Balance of piping & fittings

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Summary B/L DCI Feb. 19, 1968  
(Continued)

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STANDARD FORM NO. 64

Quantity	Unit	Particulars	Amount	Balance
1	lb	all from gate valves		
7	lb	all from gate valves 7 & 7A - 18 under water tested		
11	lb	all from gate valves 7 & 7A - 18 under water tested		
40	lb	all from gate valves 7 & 7A - 18 under water tested		
4	lb	all from gate valves 7 & 7A - 18 under water tested		
15	lb	all from gate valves 7 & 7A - 18 under water tested		
65	lb	all from gate valves 7 & 7A - 18 under water tested		
100	lb	all from gate valves 7 & 7A - 18 under water tested		
20	lb	all from gate valves 7 & 7A - 18 under water tested		
10	lb	all from gate valves 7 & 7A - 18 under water tested		

**Local Supply & Demand**

Page 10 of 10

1948, total value \$100.00.

11-11-67

1948, February 6, 1948, total value \$2,694.00

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ALL WORK TO BE DONE BY CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

ITEM	QUANTITY	UNIT	PRICE
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The following piping is to be installed on the first available vessel. Total value \$175.00.

1	210 ft.	1" Black pipe, threaded and coupled
2	210 ft.	1" Galv. pipe, threaded and coupled
3	105 ft.	1" Black pipe, threaded and coupled
4	135 ft.	1" Black pipe, plain ends

The following items are to be delivered by February 20, 1964 and will be delivered to the contractor. Total value \$175.00.

5	210 ft.	1" Galv. pipe, threaded and coupled
6	210 ft.	1" Black pipe, threaded and coupled
7	105 ft.	1" Black pipe, plain ends
8	135 ft.	1" Black pipe, plain ends



Page 2

Serial No.	Quantity	Remarks	Value	Remarks
41-3012	2	Fairbanks-Morse 17, Figure 5531, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Temper & Equipment Company 3 h.p. 3 phase, 50 cycle, 100 220 volts, 15" 275, 50" rise, standard protected type electric motor.		Examples July 19, 1947 9:1223
41-3014	1	Fairbanks-Morse 17, Figure 5531, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Temper & Equipment Company 3 h.p. 3 phase, 50 cycle, 100 220 volts, 15" 275, 50" rise, standard protected type electric motor.	\$ 833.96	
41-3015	1	Thermometer, instrument locating, 275, 2723 10" dia. 2 pos second, with left and right tube system, 2000, 1000, with a 13" right 10-20" stem and side connection as well. Range of instrument, 0-275°F, with conversion protection 2 about 20-25-134.		Gifted History June 1, 1947 9:119
41-3016	2	Thermometer, recording, 2 pos, chart form as above except for 10" leads & 22-14 stem.		
41-3017	1	Thermometer, recording, 1 pos, same as above except for 10" leads & 22-14 stem.	\$ 634.89	
41-3018	2	720 rpm agitators having 2 h.p., 100, 270 volt 3 phase 50 cycle, 15" 275 open protected with stainless steel shaft, and propeller for use in tank 45" dia. x 47" deep. 9 100.00		Examples July 19, 1947 9:1187
41-3019	2	Tanks, 7' x 15'		Same
41-3020	1	Tanks, 4' x 15' 2 5/8" plain steel complete with 1750 rpm agitator and alloy steel 10 275	\$ 4,000.00	May 21, 1947 9:1181
41-3021	2	Turbomixers, impellers, guard plate for agitation without motors. (2x 140)	\$1,007.50	Same May 21, 1947 9:1181
41-3022	1	Sample pure pentallin 1 crystal from 140		
41-3023	1	Sample pure pentallin 1 crystal from 896 (non-standard) turned over to treatment.		

REPORT OF INVESTIGATION  
 1  
 C.I.B. 1-1756 70-266

Page 1

REF ID	Serial No.	Quantity Ordered	MATERIAL	Value	REMARKS
Anti-Biotics, C.I.B. Post & Drug (continued)		1	Sample standard streptococcus strains 209P		
		1	Sample Bacillus subtilis 52 775-270		
		1	Sample penicillin in chloroform 1944 872		
		1	Sample penicillin acetate 832		
		1	Sample Bacillus brevis Dubos 2541		
Northern Regional Research Lab.		1	Sample EHEC 1612		
		1	Sample L-1612 in soil		
		1	Sample culture 8		
Radiation Plasmids		1	Sample culture 376		
		1	Sample culture 376		
Fusell Boiler Ltd.	AL-1017	1	60" dia. by 15'-5" long storage tanks welded construction made of 1/2" steel plate in shell 7" flatheads, with 16" ballast mounds four 7" covered outlets and two 7" in each head. Painted two deep coats of red oxide paint, all outlets to be plugged for shipping	\$ 270.00	Crusby S. Express Dec. 23, 1946 1/2 16
Parsons Copperwelding Co. Ltd.	AL-1056 70-2	1	50 gal. 82 covered tanks with circular bottom & 9" cooling coil	\$ 434.36	Imported Factory Dec. 11, 1946 1/2 16
			(This tank shipped without agitator & thermometer)		
			(The agitator & thermometer for above tank was shipped with 390 gal. tank under AL-1107)		Imported Factory Dec. 11, 1946 1/2 16
AL-1056 70-2	120		Tanks (aluminum or copper construction) with individual compartments into eight sections for holding vials during freezing and drying	\$1,443.90	Imported Factory Dec. 11, 1946 1/2 16

Turned over to Crutcher

# INVENTORY OF RECEIVED EQUIPMENT IN ITALY

U.S.S. 1-1798, 70-244

Page 4

COMPLAINT	Serial No.	Quantity Ordered	REMARKS	U.S. Value	REMARKS
Taylor Instrument Co.	AL-1056 PL-2	2 only	Single pen Taylor Recording Thermometer Chart No. 3502, range 0-200° F, 10' lead 18-18 3/4" diameter tubing stem length 24" with one Triose Air Filter and one air reducing valve #5 and one Taylor Home Steel Area Action Diaphragm valve.		
	AL-1056 PL-2	4 only	Single pen Taylor Recording Thermometer Chart No. 3502, range 0-200° F, 10' lead, 18-18 3/4" diameter tubing, stem length 20" with one Triose Air Filter and one air reducing valve #5 and one Taylor Home Steel Area Action Diaphragm valve.		American Flattery March 24, 1947 2/23
Domestic Bridge Co., Ltd.	PL-2	4 only	Taylor Range Thermometer	\$1,222.32	
	AL-1057	2 only	Subsidiaries for steam sterilizing of Penicillin Flasks, diameter 30", length 7".	\$1,691.00	American Flattery Dec. 11, 1947 2/23
Canadian Ice Machine Company	AL-1059	1 only	Canadian Ice Refrigerator units (Compressor & Piping)	\$ 341.75	Chrysler Dec. 14, 1947 2/23
English Electric Co. of Canada Ltd. AL-1060 PL-3		2 only	Squirrel 250 Watts, Phase 126, 125.0 P. 1500 RPM 220/300 volt, 3 phase, 50 cycles, 50°C. Run, continuous rated, protected type, with ventilation bearings and with sliding frame but without pulley		Remanence July 19, 1947 2/23
Chilled Steel Co. Ltd.	AL-1108	10	Bolt Drive, Bolt, Bridge V., for 15 h.p. motor, built and pulley to fit on motor	\$ 414.26	Not yet shipped availability 2/23
Concrete Apparatus Co. Ltd.	AL-1107 PL-1	2	200/300	\$ 280.31	
	AL-1107 PL-1	2	One 200/300, 10 gals., complete with gauge and safety valve.		Frederick Ship Co Apr. 28, 1947
Concrete Apparatus Co. Ltd.	AL-1107	1	Yank, 350 W.B. Gallon stainless steel with coil	\$ 270.07	2/23



## SUMMARY OF PURCHASES RELATION TO RESEARCH

Page 5

C.I.B. - BUREAU/NO 209/77

CONTRACTOR	Serial Number	Quantity Ordered	MATERIAL	FAV or Value	REMARKS
Arm Agnities, Ltd.	AI-3018	1 only	Tanks, closed, 200 U.S. gal. 40" Dia 36" jacketed glass lined with 2" insulation and steel sheathing, with agitator and 3/4 h.p. explosion proof motor and drive. 03,712.27		Coast D'Almeida Victory Jan. 25, 1947 N/A 31
	PA-1	3 only	Tanks, 35, 40 U.S. gal. 40" x 60" with agitator and 1 h.p. explosion proof motor.		Admold Mar 11, 1947 N/A 2019
	PA-1	1 unit	Distillation Unit, glass lined, 2' diameter, consisting of 50 gal. glass lined bottle, 2' diameter 40-51449, 50 gal. glass lined receiver, 2' diameter 40-51451, and 2' distillation column. 2' diameter 40-51450.	9,038.41	Coast D'Almeida Victory Jan. 25, 1947 N/A 31
	PA-1	2 only	Tanks, six, 50 U.S. gallon, glass lined, jacketed 24" ID x 29" insulation, steel sheath, with agitator and 1 h.p. explosion proof motor.	11,727.35	Admold May 31, 1947 N/A 1284
	PA-1	3 only	Tanks, buffer, 200 gal. 36, 40-5148-3/8" with agitator and 3/4 h.p. explosion proof motor and steel sheath of tank bottom and side. 40-5148-3/8" (bottom tank bottom).	11,168.52	Admold Mar 15, 1947 N/A 1228
	PA-1	1 only	Tanks, 100 U.S. gallon, glass lined, jacketed, insulated and steel sheathed with agitator, baffle and 3/4 h.p. explosion proof motor.	16,129.37	Admold May 15, 1947 N/A 1228
	PA-1	2 only	Tanks, 50 U.S. gallon, glass lined	11,824.01 13,283.60	Admold General June 20, 1947 N/A 1228
	AI-3019	4	Sharples 16" Super Centrifuge Vacuum Tight Model Pressureless belt drive with explosion proof motors 6 separating bowls, 1 clarifying bowl, all 88		Admold May 31, 1947 N/A 1228
	PA-2			014,919.34	
		1 Set	Sharples Laboratory Model Centrifuge direct drive 88 bowls, 1 clarifying, 2 separating		

Edling Corp., Ltd.

STATEMENTS OF PURCHASES SUBMITTED TO BUREAU  
C.B.B. - 8-1857/UC 289/77

Page 4

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	7/15 68 Value	REMARKS
Fisher and Porter Company	Al-3025	1 only	Broth Rotameters		Crosby S. Hayes Dec. 23, 1947
		1 only	Acetate Rotameters		
		1 only	Phosphoric Acid Rotameters		
		1 only	Rotameters for water	1 120.30	8/1 12
S.A. Coyte, J.P. Devine Mfg. Co. Division, R.K. Porter Co., Inc.	Al-3024 PA-2	5 only	Special No. 1A Devine Vacuum Chamber Drivers, each Cabinet to have 5 or 6 chambers.	4,506.09	Oct. 30, 1947 8/1 121A (3 ea.) Chalmers Oct. 30, 1947 8/1 120A
Canadian Laboratory Supply	Al-3026	1 only	International size 2 oil testing centrifuge with 267 A Niter band	525.10	Dec. 19, 1947 8/1 1222
		2 only	Model 40 S 50-10 Brewer Automatic Pipetting Machine	360.87	American Pinture Dec. 13, 1946 8/1 11
P.B.B. Howard & Co., Ltd.	Al-3022 PA-2	1 only	Elliot Four-stage steam with intercondenser operating 115 lb. steam pressure		May 21, 1947 8/1 104
		1 only	Elliot three-stage steam ejector for use in sterilizing operations.	1,050.07	
John Ingalls Co., Ltd.	Al-3109 PA-3	1 set	Pump, ex. consisting of: 1 each Acetate Pump 1 each Broth Pump 2 each Strong Acetate Transfer Pumps 1 each Sport Acetate Transfer Pumps 1 each Wash Tanks & Effluent Filling Pumps 1 each Chloroform Pumps 1 each Spare Pumps (10 gm 25-30 ft. head gear pump, 1/4 h.p. water explosion proof 85 gears, cast steel castings or equivalent. 1 each gear pump, 10 gm., 30' head, hard rubber 3/4 h.p. explosion-proof		Chalmers Oct. 3, 1947 8/1 1209
	Al-3109 PA-3	1 set		2,072.00	



# REPORT OF RECEIVED MATERIALS TO GRAINS

Page 6

C.I.B. 8-1987/HC 280/77

CORPORATION	Serial No.	Quantity Delivered	MATERIAL	VAL IN TOLAR	REMARKS
John Ames Air Conditioning Co., Inc.	7-1258	8	Refrig-unit, self contained, portable, complete with carrier compressor, 12.5-220volt, 50 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator, 3.7.8. capacity with freeze. 12.4 degree hold at 25 degree refrigerant - 10, 4.5. 1.5. /hr.		7.2.1. worked May 19, 1947 N/A 1212
			1.4 degree hold at 15 degree refrigerant 8.950 3.7.8. /hr. unit furnished should be same unit used with storage bin above, with spare parts. (14 2875)	\$6,116.00	
F.J. Stokes Co.	27-1002	5	Vacuum gauge, Poland	\$ 400.00	Material from Feb. 25, 47 N/A 1216
The West Co., Phila., Pa.	Type 5255 P.A. 2563	1, 1, 1, 1, 1	Stop air, self rubber, to fit 20oz penicillin bottles. 100 rubber sheet composition, purchased, to be shipped 8-29. (14-191/791-1216)		General Chemistry June 20, 1947 N/A 1213
The West Co. Philadelphia, Pa. (Richardson Agencies)	812	1 each	Machine, coupling, semi-automatic with 20 p.p. 100p.p. 12.5/220 volt, 100watt, 50 cycle type 100watt per 100watt to 100watt 20 in size, 100watt seal aluminum case of penicillin bottles, at the rate of 10 to 10 per minute. (10 104)	\$4, 35.0	Not yet shipped A certificate 28 - 3044
	812	500,000	Triple Seal Aluminum Caps		
		500,000	Single Seal Aluminum Caps	\$ 4, 720.17	
Aluminum Co. of America	Type 5465 P.O. 2224	1,100,000 oz.	Glassware, aluminum, 20oz; 10oz fitting No. 8-29 rubber stopper for penicillin bottles; 1 piece per 100watt 100watt, Aluminum Co. of America Co. No. 120, (14-191/791 - 120-6)		General Chemistry June 20, 1947 N/A 121
				\$1,670.43	
Phoenix Glass Co.	Type 1123 P.O. 2172	4,954 gross	Flask, glass, semi-elliptical, purchased 111 20oz (111) to base of neck, 10oz; 0.2. 10oz. height 10oz. 1.2. of neck 10oz. To be 100 type 1 glassware total to 100. (14-191/791 - 100-1)		Not May 20, 1947 N/A 121
				\$10, 000.00	

# REPORT OF PHYSICIAN WITNESS TO DEATH

Page 9

CONTRACTOR	Serial No.	Quantity	MATERIAL	FILE NO	SHIPMENT
Corn Products Refining Co.	Type 541 P & A 211	75.77 lbs 25-102/780-211	Stamp water. Available from Corn Products Refining Co. 17, Battery Pl., N.Y. 25-102/780-211	101-100	Box May 21, 1947 N.Y. 315
		35	Same as above	\$2,776.00	Cancelled
Malinckrodt Chem. Works	Type 541 P & A 211	100 lbs 25-102/780-211	Potassium dihydrogen phosphate monobasic. Available from Malinckrodt Chem. Works, 210-102/780-211		General Chem. Works June 30, 1947 N.Y. 315
Eastern Contracting Co.	Type 541 P & A 211	100 lbs 25-102/780-211	Lactose (milk sugar) Commercial grade in 100 lb. bags (25-102/780-211)	\$ 326.70	
Bell & Company	Type 541 P & A 211	100 lbs 25-102/780-211	Pesticide Refining Agent (25-102/780-211)	\$23,972.30	American Flattery March 24, 1947 N.Y. 315
				\$4,978.34	Malinckrodt Mar 28, 1947 N.Y. 315
Out of Toledo					
	Type 541 P & A 211	75.77 lbs 25-102/780-211	Stamp water. Available from Corn Products Refining Co. 17, Battery Pl., N.Y. 25-102/780-211		Box May 21, 1947 N.Y. 315
				\$10.14	
New Zealand Govt. Contract	Type 541 P & A 211	100 lbs 25-102/780-211	Lactose B.P. Standard	704.00	Malinckrodt made from New Zealand during January 1947



# SHIPMENTS OF RESEARCH MATERIALS TO JMW

Page 10

CONTRACTOR	Serial No.	Quantity Received	MATERIAL	U.S. \$ Value	SHIPMENT
J.T. Baker Chemical Co.	TS-107	16,900 lbs	CHLOROFORM, technical, small, from J.T. Baker Chem. Co.		General Chemistry
	P.M. 2478		WALLACE, HIGHTON, J.A. (91/288-88C-21)	\$1,160.30	June 30, 1947
Robert Barry & Co. Ltd.		22,320 lbs	Phosphoric acid, 75% H <sub>2</sub> O, Symp. Not available from American Alkali Chemicals, Inc. (HCO)	\$6,021.06	June 24, 1947
British Govt. Contract	PC 383	1,000 lbs	Acid Phosphoric (HCO)	\$1,108.25	September 19, 1947
J.T. Baker Chemical Co.	T. 1070	400 lbs	Sodium Hydroxide C.P. reagent, sticks, 14-3041	\$ 132.00	September 19, 1947
Robert Barry & Co. Ltd.		14,800 lbs	Sodium Hydroxide, technical, (HCO-517)	\$2,980.36	Not yet shipped
P.M. Report Corp. B.Y., B.Y.	CP 3952	9 lbs	Acid Sulfuric C.P. concentrated, C.P. CP	\$ 1.40	Frederick Reigels
Difco Lab., Inc.	TS 1071	Bulk grams	Cystine L - Cryst. - 14-3041	\$ 74.80	April 22, 1947
Ingram & Bell, Ltd.	SC 517	2.12 lbs	Pyridine 1.75 Percents substance	\$ 820.00	Not yet shipped
Difco Lab., Inc.	TS-1071	11 kilos	Phenacetic Extract (dried penicillin) 14-3041	\$ 243.00	Available by 11-5671
Malabar Chemical Works	CP-3951	2 lbs.	Barbituric Acid	\$ 6.66	Not yet shipped
Difco Lab., Inc.	TS-1071	12 lbs.	Acid extract 14-3041 (HCO)	\$ 26.50	Not yet shipped
Ingram & Bell, Ltd.		1 lb.	Chlorine (HCO-517)	\$ 3.27	Not yet shipped
V. Va. Pulp & Paper Co.	TS-1071	650 lbs.	Powder 14-3041	\$ 193.09	General Chemistry
J.T. Baker Chemical Co.	TS-1070	1,200 lbs.	Sodium Sulfate, anhydrous C.P. 14-3041	\$ 352.80	June 30, 1947
Corro & Co. Ltd.	217	600 lbs.	Glass wool, lead free and boron free, (HCO-507)	\$1,093.25	Not yet shipped

# REPORTS OF RECEIVED MATERIALS TO RESEARCH

Page 11

CONTRACTING	Serial No.	Quantity Ordered	MATERIAL	FAA #	Value	REMARKS
Emulsion Room (Special)						
Emulsion Room (Special)	PC-354	4,770 lbs	Sodium nitrate 99% VII 0.36		\$2,808.91	Shipped from Progress to EIR - June 30, 1947 - BEO
P.M. Report Corp., B.T.	CP-3952	40 lbs.	Acid, Para-methanesulfonic		\$ 82.25	Frederick Reigle April 22, 1947 B/A 1206
Logan & Bell, Ltd.		50 grams	Crystal Violet 99% Reagent (EC-517)		\$ 2.17	Not Yet Shipped Availability on 5764
Refine Lab., Inc.	TS-1071	50 lbs.	Agar, granular or strands, 3% (44-3041)		\$ 302.50	Antibiotic May 21, 1947 B/A 1206
Logan & Bell, Ltd.		1,100 gms.	Sodium Thiosulfate (EC-517)		\$ 36.71	Not Yet Shipped Availability on 5764
		22 lbs.	Carotin powder		\$ 16.50	
		20 lbs.	Oil immersion cedarwood, 99% reagent		7.00	CANCELLED
		25 lbs.	Sodium hypochlorite solution 50%		8.75	
Boon & Co. Ltd.	1515	2 each	Liquid Air trap Pyrex, O.D. 28 mm dia. of connecting tube - 20mm (EC-517)		\$ 42.20	Not Yet Shipped Availability on 6061
Pharmaceutical Co. of S.J.	CP 3954	5 gals	Bearing lubricating oil, Pure paraffinic oil, Flammable 100 - 121 (EC-100)		\$ 12.50	Antibiotic May 21, 1947 B/A 1206
		5 yds.	Plastic tubing (Vinyliene) 0.9. 1" 1/16 inch wall		\$ 15.00	CANCELLED
Shawnee Instrument Co.	TS-740	2 ea.	Centrifuge thermometers, 25° - 100° F. Capacity 110 G.P.		\$ 998.70	Antibiotic - May 21, 1947 B/A 1206
Logan & Bell, Ltd.	EC-517	3.84 lbs.	Calcium Carbonate		\$ 249.36	Not Yet Shipped Availability on 5764

Approved For Release 2002/07/24 : CIA-RDP80-00926A003700020008-3

SHIP DATA ON PROJECT: CONTINUED TO MARINE

Page 13

CONTRACTOR	Serial No.	Quantity ordered	MATERIAL	PTS TO Value	SHIPMENT
Fisher Scientific Co., Ltd.	1470	3.0 lbs.	Tubing, rubber, heavy, white, 1" exterior ID 507	\$ 40.28	Plastic Donkey Dec. 6, 1967 A/L 1207
Canadian Lab. Supplies, Ltd.	1477	6 ea. (JC 507)	Penicillin Separator, 60cc 100 stop and glove	\$ 84.53	3489 A/L 1210 Dec. 24, 67
Cave and Co. Ltd.	1476	6 ea.	Pyrexial, Beaker, Porcelain (not jacketed) (JC 507)	\$ 76.72	Not Yet Shipped Availability in 5469
Fisher Scientific Co. Ltd.	147	1 ea.	Cumene, 250 gms. 2207, 50 C - MC (95% 1) w/ Deteriously Regulator (JC-507)	\$ 100.69	Plastic Donkey Dec. 6, 1967 A/L 1207
Robert Barry & Co. Ltd.	1487	5,000 gals.	Methyl Acetate JC 516	\$14,123.19	3,802 3/4 Gals. Nov. 14, 1967
				\$ 3,874.61	Gals Separable A/L 1203 Nov. 14, 1967
			(Fire Loss Replacement JC 507)	\$ 842.47	Gals Not Yet Shipped Availability in 6147

SECRETARY OF DEFENSE - DEPARTMENT OF DEFENSE

~~CONFIDENTIAL~~

SECRET

**THE UNIVERSITY OF CHICAGO**

THE UNIVERSITY OF CHICAGO

	DATE	TIME	PL.	Q.	VALUE
2 each heating stoves #1					1.80
2 each stove pipe #3					1.20
2 each small stove #1					1.00
2 each small stove #2					1.00
2 each heating stoves #1					1.80
2 each heating stoves #2					1.80
2 each wall hanging #1					1.20
2 each wall hanging #2					1.20
2 each wall hanging #3					1.20
2 each wall hanging #4					1.20
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10-10-68

1973-1974

1964

1961 OCT 24  
11:00 AM  
FBI



CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	7-13 Value	REMARKS
Taylor Instrument Company					
	12181221	1 each	Taylor Fullscope Recording Temperature controller, Blank case, face mounted bottom connected, 24 hour spring wound clock, reverse actuated adjustable sensitivity, 12" chart, 0° to 100° range, 1/2" over range extension, 0, each tube system 20 ft. mercury actuated capillary, 18/8 stainless steel bulb with rigid armature on stem of 18/8 stainless steel 1/2" long in clamping bulb, 18/8 stainless steel section including 3/4" threaded hub nut for full immersion, 100 charts, 12x, etc., with all accessories, complete (DPM 779 Pt 6)	1408.10	
		1 each	12181222 Same as item 1, except each tube system 10' and 18/8 stainless steel bulb with rigid actuation stem of 18/8 stainless steel, 22 3/4" inclined bulb, (DPM 779 Pt 6)	1478.90	
		1 each	12181223 Same as item 1, except 1 pen and 1 center 1 system, 10' mercury actuated tubing, 18/8 stainless steel bulb with rigid actuation of 18/8 stainless steel, 22 3/4" long including bulb. (DPM 779 Pt 6)	1554.95	
		3 each	118123 1/2" reducing valves (DPM 779 Pt 6)	0 21.00	
		3 each	18 9817 Air Filter. (DPM 779 Pt 6)	0 19.50	
		3 each	981223 Taylor 1 inch Discharge valve, standard construction (DPM 779 Pt 6)	1112.50	
		2 each	981225 Taylor 2 inch Discharge valve, standard construction. (DPM 779 Pt 6)	1166.00	

MADE IN U.S.A.  
Dec. 24/57

MINIATURE PHOTO



# Summary of Purchased Equipment - Equipment Spare Parts List for UH-1H

Page 18

CONTRACTOR	Article No.	Quantity Ordered	MATERIAL	Unit Price	Amount	See Procurement Page
Misc. 8741			1 inlet-left, outlet-right, unions otherwise specified, Panel Mounting Fittings: Metering Tube: MMTS, bonded, 250 mm. (small) Type of Panel & meter: Direct reading; 7 least Specification: 80-52 of stainless steel. (UNIT SPECIFICATION) Fluid: Air; Color & Transparency: Transparent; Specific Gravity: 1.00; Operating Pressure: Atmospheric; Operating Temperature: 70°F. (MAX. MIN.) Maximum Flow: 20 CFM; Minimum Flow: 1.4 CFM. To include outline drawings and pressure correction curves. (DPM 779 Pt. 4)	\$196.80		
Misc. 8736			2 each 2" #16 Back Pressure Regulators, cast iron body, flanged ends, 1/4" 2500 Br. Ry. Standard #904 18/8 Stainless Steel tria. Grease sealed lubricator, 2 Grease #7 cone, Adjustable range 6-20 PSI, Controlling air 0-30 CFM. (DPM 779 Pt. 3)			
			3 each 1/2" #16 Back Pressure Regulators, Cast Iron body, screwed ends, #904 18/8 Stainless Steel tria. Grease sealed lubricator, 2 Grease #9 cone, Adjustable range 2-7 PSI Valve open above 5 PSI, Controlling air 0-30 CFM. (DPM 779 Pt. 3)	\$482.00		See Procurement Page
Robert D. Shaw Company Misc. 8737			1 each Standard Army Cap Dispensers (DPM 779 Pt. 2)	\$ 90.00		
			6 each 24" Stainless Steel Regulator Tubes, 7/32" O.D., 0.017 wall thickness. (DPM 779 Pt. 2)	\$ 12.90		
Reflexion Brown Machine Company Misc. 8739			2,500 sq. Stainless Steel Penetration Liners, .0125 O.D., .212 I.D., .400 length (DPM 779 Pt. 1)	\$125.00		
Robert Barry & Co. Ltd.			750 lbs. Targeted (Random Breaker) in drums suitable for export. (SE-501)	\$371.79		

Revised  
Mar. 1, 1947  
R/L 1303

Revised  
Oct. 3, 1947  
R/L 1302

Revised  
Nov. 20/47

ILLUSTRATION 3 PERIODIC EQUIPMENT - EQUIPMENT SPARE PARTS LIST FOR STRAINE

CONTRACT NO.	Serial Number	Quantity	MATERIAL	PAID TO Vendor	REMARKS
Fischer Scientific Co. Ltd.		1 each	Butter Filters, size 100 ml. (JC 579)	\$21.65	Not yet shipped Availability in 5004 Not yet shipped Availability in 5006 Not yet shipped Availability in 5004
		1 each	Constant Temperature water bath for Lab. assay with 750ml, size 160, 250 Pals (JC 579)	\$122.75	
		1 each	Lab Pressure-dry set-up as per sketch provided Fisher Scientific Co. by Mark. To include manifold connecting flasks and 2 traps/pt. (JC-579)	\$171.16	
Fischer Scientific Co. Ltd.		1 each	Barometric Pillie, capacity 10 G.P.M., stainless steel (JC-579)	\$112.39	Not yet delivered

20-571 DT 157-7-48

**UNITED STATES DEPARTMENT OF AGRICULTURE**

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The following items were added to the list, and value \$1,200.00 on the Washington, D. C. list.  
February 17, 1935.

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QUANTITY REQUIRED	CONTRACT NO.	MATERIAL	UNIT PRICE	TOTAL PRICE
12		1" Std. Galv. C.I. Tee		
12		2"		
30		3/4"		
30		1"		
36		1 1/4"		
6		1 1/2 x 1 1/4 x 3/4" Std. Galv. C.I. Rem. Tee		
150		1 1/2" Std. Blk. C.I. Rls		
50		1"		
50		1 1/2"		
150		1"		
90		1 1/4"		
90		1 1/2" Std. Galv. C.I. Rls		
30		3/4"		
24		1"		
36		1 1/4"		
12		1 1/2 x 1 1/4" Std. Blk. C.I. Rem. Rls		
1		3 x 1 1/4"		
		1 1/4 x 1" Blk. Shoulder Flange		
3		3" 655 Std. Blk. C.I. Rls F.J. & D.		
1		6"		
2		6 x 3" 655 Std. Blk. C.I. Rem. Rls F.J. & D.		
1		8 x 6" 655		
1		2" 655 Std. Blk. C.I. Tee F. & D.		
2		6" 655		
53		1 x 7 1/2" Std. 655 Blk. C.I. Comp. Flange F & D		
18		6 x 1 1/2"		
1		6 x 1 1/2"		
6		1 1/2"		
4		1 1/2" Alliron gate valves 655		
3		1"		
24		1 1/4"		
36		1 1/2" all iron gate valve F.J. & D.		
30		6"		
1		6"		
6		6" 655 all iron gate valves F & D all under water tested		

Wednesday, 17 April, 1945, 1945

ATV all time state sales 1.67 - 1.6 mil / under water tested





REPLENISHMENT REPORT  
SHIPMENTS OF PIPES AND FITTINGS FOR POLICED EQUIPMENT: REPAIR

CONTRACT #	QUANTITY SHIPPED	MATERIAL
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Ideal Supply Company

The following piping was shipped on the above-mentioned Vessel N/L 1202 January 9, 1948. Total Value \$428.21

1	210 ft.	1 1/2" Black Pipe, Threaded and Coupled
2	315 ft.	1 1/2" "
3	254 ft.	3/4" "
4	168 ft.	3/4" Galvnm.
5	280 ft.	1 1/2" "
6	105 ft.	1 1/2" Black
7	126 ft.	1 1/2" Galvnm.
8	65 ft.	4" Black
9	90 ft.	8" x 4" Lbs. Black Pipe, Plain Ends
10	25 ft.	12" x 5" " "

The following piping was shipped on the above-mentioned Vessel N/L 1215 February 14, 1948. Total Value \$2,623.45

1	167 ft.	3/4" Black Pipe, Threaded and Coupled
2	230 ft.	1 1/2" Galvnm.
3	210 ft.	1 1/2" Galvnm.
4	749 ft.	7 in. Stainless Steel N. A. Pipe, seamless 1" pipe
5	311 ft.	3" Black Pipe, Plain Ends
6	105 ft.	4" "
7	68 ft.	6" "
8	65 ft.	8" "

The following piping was shipped on the above-mentioned Vessel N/L 1215 February 14, 1948. Total Value \$122.46

1	147 ft.	3/4" Black Pipe, Threaded and Coupled
2	210 ft.	1 1/2" "
3	210 ft.	1 1/2" Galvnm.
4	88 ft.	4" Black
5	51 ft.	6" Plain Ends

The following piping is in New York to be loaded on the first available vessel. Total value \$231.46

1	210 ft.	1 1/2" Black Pipe, Threaded and Coupled
2	210 ft.	1 1/2" Galvnm. Pipe, Threaded and Coupled
3	105 ft.	2" "
4	113 ft.	4" Black Pipe, Plain Ends

SHIPMENTS OF PIPES AND FITTINGS FOR PERICULUS EQUIPMENT TO DELAWARE

DESCRIPTION	SIZE	QUANTITY	MATERIAL
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The following items were delivered by February 29th, 1948 and will be shipped as soon as possible. This will constitute the last and final shipment of piping and fittings for the Periculus Plant. Total value \$888.35

6.	210 ft.	1" Galvanized Pipe, Threaded and Coupled
10.	210 ft.	2"

*BEST COPY*

*Available*

## I. PENICILLIN PLANT

### Technical Information

- 1 UC-289-PA-3, CEB-B-1887/A1-1958

Canadian Ingersoll Rand Co., Ltd.  
Sherbrooke, Quebec, Canada Third Machine Company, South Walpole  
Massachusetts

### INSTRUCTIONS FOR INSTALLING AND OPERATING BIRD-YOUNG UNIVERSAL FILTE

- 2 UC-266-PA-1, CEB-B-1758/A1-3011

Canadian Westinghouse Co. Ltd.  
Hamilton, Ontario, Canada

### SQUIRREL CAGE INDUCTION MOTOR

- 1 Instruction Series # H-598
- 2 Descriptive Bulletin #11-200

- 3 UC-266-PA-1, CEB-B-1758/A1-3012

Leland Electric, Canada, Ltd.  
73 Wickstead Road, Ouellet, Ontario, Canada

### THREE PHASE MOTORS

- 3 Blue prints # Z-796

- 4 UC-266-PA-1, CEB-B-1758/A1-3013

The Smart Turner Machine Co., Ltd.  
191 Barton Street, Hamilton, Ontario Canada

- 5 UC-266-PA-1, CEB-B-1758/A1-3014

The Canadian Fairbanks Morse Co., Ltd.  
266 Sparks Street, Ottawa, Ontario, Canada

### CENTRIFUGAL PUMPS

Bulletin # 5530-2

- 6 UC-266-PA-1, CEB-B-1758/A1-3015 and Miscellaneous #740

Taylor Instrument Companies of Canada Ltd.  
110 Church Street, Toronto, Ontario, Canada

### RECORDING INSTRUMENTS

- 1 Reducing Valve Bulletin #92050
- 2 Temperature and Pressure Recorder's Bulletin #92071
- 3 Motorized Valves Bulletin #92171
- 4 Palascope Recording Controller Bulletin #92116

- 7 UC-266-PA-1, CEB-B-1758/A1-3016

Balmain and Williams Ltd.  
18-32 Bank Avenue, West Toronto, Ontario, Canada

### AGITATORS

Bulletin on Liquid Mixers

- 2 -

8 UA-1687, TPS-2733

General American Transportation Corporation  
16 East 49th Street, New York 17, New York

**TURBO-MIXERS**

- 1 Lubricating Instruction
- 2 Assembly # 3 B Drive Unit, Prints # 27-281, 27-258, 10764-1

9 UC-266-PA-2, CEB-B-1758/A1-3057

Dominion Bridge Co., Ltd.  
1139 Shaw Street, Toronto, Ontario, Canada

**AUTOCLAVES**

- 1 Markings
- 2 Sketch # 1
- 3 Drawings # 1, 2, 3.

10 UC-266-PA-3, CEB-B-1758/A1-3060

English Electric Company of Canada, Ltd.  
St. Catharines, Ontario, Canada

**SQUIRREL CAGE MOTORS**

Bulletin # 102-A and Form DPH-32-D

11 UC-289-PA-1, CEB-B-1887/A1-3018

Richardson Agencies,  
454 King Street West, Toronto, Ontario, Canada  
(The Pfandler Company, Elyria, Ohio, USA)

**TANKS AND GLASS LINED EQUIPMENT**

- 1 Blueprint # C 34290-1
- 2 " # C 34319-1
- 3 " # C 34300-1
- 4 " # C 34287-1
- 5 " # C 34321-1
- 6 " # C 34390-1
- 7 " # C 30768
- 8 " # D 34301-1
- 9 Bulletin # 834

12 UC-289-PA-2, CEB-B-1887/A1-3019 and Miscellaneous # 8743

Whiting Corporation, Ltd.  
45 Richmond Street, Toronto 1, Ontario, Canada  
(Sharples Corporation, 23rd and Westmoreland Street,  
Philadelphia 40, Pennsylvania)

**SHARPLES SUPERCENTRIFUGE**

- 1 Instructions for Supercentrifuge with blueprints # C-539 S  
and # 529 S
- 2 Instructions for Laboratory Centrifuge

13 GP-3492

F. J. Stehns Machine Company  
Taber Road, Gray P.O., Philadelphia 20, Pennsylvania



- 3 -

**VACUUM GAUGE-MOLECO TIPS**  
Booklet # WO-3M-3/46

14 UA-3059, TPS-740

Wheelco Instrument Company  
Harrison and Peoria Streets, Chicago 7, Illinois

**THERMOSTAT CONTROLS**

- 1 Instructions for Wheelco Instruments Model 5241
- 2 Price List # G 203-2
- 3 Bulletin # G 203-2
- 4 Instruction Sheet # 5527
- 5 " " # 5459 A
- 6 " " # 5307
- 7 " " # 5308
- 8 " " # 5046 A
- 9 " " # 5446 B
- 10 " " # 5373 A
- 11 " " # 5562
- 12 " " # 5506 A

15 UA-3024, TPS-633

Gamma Instrument Company, Inc  
95 Madison Avenue, New York 16, New York

**pH METERS**

- 1 Battery Connections for Gamma pH Autumat
- 2 Additional Instructions for Gamma pH Meters
- 3 Directions for pH Meter

16 Miscellaneous 8814

Paramount Rubber Company  
10401 Northlawn Avenue, Detroit 4, Michigan

**AIR FILTERS**

One Blueprint

17 Miscellaneous 8741 and UC-289-PA-2, CEB-B-1867/A1-3025

Fischer and Porter Company  
Hatboro, Pennsylvania

**FLOWRATORS AND ROTAMETERS**

- 1 Flowrator, Series 700, Catalog Section 25-B
- 2 Dimension Chart # G-17531-0
- 3 Dimension Drawing for Rotameters # G-16906-1
- 4 " " " # S-12206-2
- 5 Instruction Manual for Flowrator, Bulletin # 26-B

18 Miscellaneous # 8738

Mason-Neilan Regulator Company  
1190 Adams Street, Boston 24, Massachusetts

- 4 -

**BACK PRESSURE INSULATORS**

- 1 Instructions Bulletin # 516
- 2 Blueprint # C-371-B-4
- 3 " " # C-371-A 3

**19 Miscellaneous # 8777**

Robert D. Shaw  
Bloomfield, Connecticut

**ASSAY CUP DISPENSERS**

Special Reprint from SCIENCE, September 20, 1946, Vol. 104, page 275  
"Dropping Device for Cylinder Plate Assay of Penicillin"

**20 UC-507, C.A-17-70/1470**

F. J. Stokes Machine Company  
5934 Taber Road, Olney P.O., Philadelphia 20, Pennsylvania

**STORES ELECTRIC WATER STILL MODEL, INSTRUCTIONS FOR INSTALLING AND OPERATING**

**21 UC-507, C.A-17-70/1470**

W. K. Welch Scientific Company  
1515 Sedgwick Street, Chicago 10, Illinois

**VACUUM DUD-SEAL PUMPS, COMPLETE SERIES**

## II. PENICILLIN PLANT

### Lacking Technical Information

- 1 UC-289-FA-3, CKB-B-1887/A1-2958

Canadian Ingersoll Rand Co. Ltd.  
Sherbrooke, Quebec, Canada  
(Bird-Young Filters: Bird Machine Company, South Walpole, Massachusetts)

#### BIRD-YOUNG FILTERS

Arrangement Drawings and Duplicate Parts List To be forwarded

- 2 UC-266-FA-1, CKB-B-1758/A1-2999

Canadian Ingersoll Rand Co. Ltd.  
Sherbrooke, Quebec, Canada

- 3 UC-266-FA-3, CKB-B-1758/A1-3059

Canadian Ice Machine Company  
65 Valliers Street, Toronto, Ontario, Canada

#### CANADIAN ICE REFRIGERATOR UNITS

To be forwarded

- 4 UC-289-FA-2, CKB-B-1807/A1-3024

J. P. Devine Mfg. Co., H. E. Foster Division  
Oliver Building, Pittsburgh, Pennsylvania

#### DEVINE VACUUM CHAMBER DRIERS

Included

- 5 UC-289-FA-2, CKB-B-1887/A1-3020

Canadian Laboratory Supplies Ltd.,  
32 Grosvenor Street, Toronto, Ontario, Canada

#### OIL TESTING CENTRIFUGE

No reply received to request  
for technical data.

- 6 UC-289-FA-2, CKB-B-1887/A1-3022

F. S. B. Howard and Co., Ltd.  
661 New Birks Building, Montreal 2, Canada

#### ELIOT STEAM EJECTORS

Canadian Commercial Corporation  
trying to get information. Will  
be forwarded.

- 7 UA-2855, TS-1256

L. & M. Industries and Trading Corporation  
300 Riverside Drive, New York, New York

#### COLD STORAGE UNITS

No reply received.

- 8 UA-2855, TS-1257

Harold Bator  
6703 Atlantic Avenue, Atlantic City, New Jersey

#### COLD STORAGE UNITS

- 2 -

9 HA-2855, TS-1256

John Anson Air Conditioning Co., Inc.,  
46 South Tenth Avenue, Mt. Vernon, New York.

REFRIGERATING UNITS

No reply received.

10. UC-364/812

Richardson Agencies  
454 King Street, Toronto, Ontario, Canada  
(The West Company, Phoenixville, Pennsylvania)

CAPPING MACHINES

No reply received.

## SHIPMENT OF PENICILLIN EQUIPMENT TO BYELORUSSIA

ON

C.E.B. B-1758/UC-266

CONTRACTOR	Serial Quantity # Ordered	MATERIAL	FAS US Value	SHIPMENT
Canadian Ingersoll Rand Co. Ltd.	1	1x11 Canadian Ingersoll Rand Class ES 1-ML Class 2 construction air compressors complete with accessories (price Incl.), 1 ea. Filters, Air Inlet ) These two items not included in shipment on Askold. 1 " Snubbers, Intake ) Shipped Batu B/L 1206 Dec. 24, 1947 1 " Receiver, Air, 42" x 10" 1 " After Coolers, 88 HM-2, with Safety Valves 1 " Motor, 60 H.P., 380/220V, 3 phase, 50 cycle 1 " Compensators, Starting, for above 60 H.P. motor.	\$8,908.65	Askold May 31, 1947 B/L 1238
	1	1x7 Canadian Ingersoll Class ES 1 pump and accessories (price inclusive)		
	1 ea.	Motor, 20 H.P., 380/220V, 3 phase, 50 cycle including starting compensators.		
	1 "	Bases, Sliding, for above motor.		
Canadian Westinghouse Co. Ltd.	2	15 h.p., 3 phase, 50 cycle, 1500 RPM, 380/220V, 40°C rise, protected H.S. Squirrel cage induction motors with normal starting torque and low starting current and 10 only bases for motors complete with starters.	\$ 496.05	Cheluskinks Oct. 3, 1947 B/L 1203
Leland Electric Canada Ltd.	3	Motors, 3/4 or 1 H.P. 380/220V, 3 phase, 50 cycle.	\$ 122.00	Frederick Engles Apr. 22, 1947 B/L 1229
The Smart Turner Machine Co. Ltd.	1	1 1/2 LDU side suction centrifugal pumps, standard fitted with open type iron impeller, ball bearings, direct connected to 1 1/2 h.p. 3 phase, 50 cycle, 220/380V. 1500 RPM standard insulated protected type motor, together with manual starting switch having thermal overload protection.	\$ 157.77	Svesaples July 19, 1947 B/L 1215

## SHIPMENT OF PENICILLIN EQUIPMENT TO BYELORUSSIA

Page 2

C.E.B. B-1758/UC-266  
ON

Approved For Release 2002/07/24 : CIA-RDP80-00926A003700020008-3

CONTRACTOR	Serial Quantity by # Ordered	MATERIAL	7AS US Value	SHIPMENT
The Canadian Fairbanks Morse Co.	AI-3014 2	Pairbanks-Morse 1 1/2" Figure 5531, all iron centrifugal pumps mounted on base and direct connected through flexible couplings to and including an Electric Temper & Equipment Co. 3 h.p., 3 phase, 50 cycle, 380/220V, 1500 RPM., 50°C rise, standard protected type electric motor.		8 cases July 19, 1947 B/L 1216
	AI-3014 1	Pairbanks-Morse 1", Figure 5531, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Temper & Equipment Co. 1 1/2 h.p., 3 phase, 50 cycle, 380/220V, 1500 RPM, 50°C rise, standard protected type electric motor.	\$ 833.96	
Taylor Instrument Companies of Canada, Ltd.	AI-3015 1 PA-1	Thermometer, Instrument Recording, #76JH223 Taylor, 2 pen Record, with left and right tube system, 20' leads, with a 33" rigid 18-898 stem and under connection assembly. Range of instrument, C-225°F., with over-range protection D chart & No. OP-136		Alfred Victory Jan. 3, 1947 B/L 6
	1	Thermometer, Recording, 2 pen, chart (same as above except for 10' leads & 22-3/4" stem).		
	1	Thermometer, Recording, 1 pen, (same as above except for 10' leads & 22-3/4" stem).	\$ 654.85	
Delemore & William Ltd.	AI-3016 2 PA-1	Type "F" Agitators having 1/2 h.p., 380/220V, 3 phase, 50 cycle, 1500 RPM open protected motors stainless steel shaft, and propeller for use in tank 45" dia. x 4 ft. deep.	\$ 328.86	8 cases July 19, 1947 B/L 1217
The Toronto Iron Works, Ltd.	AI-3055 2 PA-1	Tanks, 7' x 15" Tanks, 40" dia. x 3' 2 5/8" plain steel complete with reducer motor coupling and slow coupling 90 RPM	\$6,905.02	Baku May, 1947 B/L 1221
General American Transportation Corp.	TPS-2733 2	Turbo-Mixers, impellers, undruxplex, for agitation without motors. (UA1687)	\$1,887.60	Baku May '47-B/L 1212
Anti-Biotics, USDA, Food & Drug	1 1	Sample pure penicillin G crystal form 1667 Sample pure penicillin K crystal form 85% (non-standard)	Turned Over to Trainees	



## SHIPMENT OF PENICILLIN EQUIPMENT TO BYELORUSSIA

C.E.B. B-1758/UC-366

CONTRACTOR	Serial Quantity # Ordered	MATERIAL	FAS US Value	SHIPMENT
Anti-Biotics, USDA, Food & Drug (cont'd)	1 1	Sample standard <i>Staphylococcus aureus</i> 209P Sample <i>Bacillus Subtilis</i> SS 201-220		
Northern Regional Research Lab.	1 1 1 1	Sample penicillin <i>Chrysogenum</i> 1984/ N22 Sample penicillin <i>notatum</i> 832 Sample <i>Bacillus Novis Dubos</i> 4541 Sample NRRL 1612	Turned Over to Trainees	
Madison Wisconsin	1 1 1	Sample L-1612 in soil Sample culture E Sample culture Q176		
Pendoll Boiler Ltd.	AL-3017 1	only 60" dia. by 15'-0" long storage tanks welded construction made of 3/16" steel plate in shell 1/4" flatheads, with 16" bolted manhole four 2" screwed outlets and two 2" in each head. Painted two shop coats of paint outside only, all outlets to be plugged for shipping.	\$ 270.88	American Victory Dec. 13, 1946 B/L 26
Toronto Copper-Smithing Co., Ltd. PA-2	AL-3056 1 PA-2	only 50 gal. SS covered tanks with Conical Bottom & SS cooling coil. (This tank shipped without agitator & thermometer)	\$ 434.36	American Victory Dec. 13, 1946 B/L 28
		The agitator & thermometer for above tanks was shipped with 300 gal. Tanks - Contr. AL-3137		Frederick Engles Apr. 22, 1947 B/L 1252
	AL-3056 120	only Trays (Aluminum or Copper construction) with individual compartments like agitator for holding vials during freezing and drying.	\$1,443.92	American Victory Dec. 13, 1946 B/L 27

## SHIPMENT OF PENICILLIN EQUIPMENT TO BYEL-RUSSIA

ON

C.A.B. B-1758/UC-265

CONTRACTOR	Serial Quantity # ORDERED	MATERIAL	FAS US Value	SHIPMENT
Taylor Instrument Co.	AL-3058 2 only	Single Pen Taylor Recording Thermometers Chart No QP 3502 Range 0-100°F 10' lead 18-8 SS Accuratus tubing stem length 24" with one Trico Air Filter and one air reducing valve #5 and one Taylor Mono Steel Even Action Diaphragm valve.		American Victory March 25, 1947 B/L 1
	AL-3058 4 only	Single Pen Taylor Recording Thermometers Chart No QP 3502, Range 0-100°F 10', lead, 18-8 SS Accuratus tubing, stem length 20" with one Trico Air Filter and one air reducing valve #5 and one Taylor Mono Steel Even Action Diaphragm valve.		
	PA-2 4 only	Taylor Gauge Thermometers	\$1,922.32	
Dominion Bridge Co., Ltd.	AL-3057 2 only	Autoclaves for steam sterilizing of Penicillin Vials, dis- motor 30", length 7'.	\$1,691.80	American Victory Dec. 13, 1946 B/L 29
Canadian Ice Machine Co.	AL-3059 1 only	Canadian Ice Refrigerator Units (Compressor & Piping)	\$ 541.76	Chernikov Nov. 25, 1947 B/L 1202
English Electric Company, of Canada Ltd.	AL-3060 2 only PA-3	Squirrel Cage Motors, Frame 326, 15 h.p., 1500 RPM 220/360V 3 phase, 50 cycle, 50 D50. C. Rise, continuous rated, pro- tected type, with antifriction bearings and with Sliding base but without pulley.	\$ 414.25	Svesoples July 19, 1947 B/L 1215
United Steel Co., Ltd.	AL-3108 10 4	Belt Drive, Belt, Dodge V., for 15 h.p. motor, belt and pulley to fit on motor Sheaves	\$ 180.53	Not Yet Shipped Availability UN 6138
Toronto Coppermithing Co. Ltd.	AL-3107 2 PA-1	Can Corn Oil. 10 gal., complete with gauge and safety valve	\$ 693.83	Frederick Ingles April 22, 1947 B/L 1252
Toronto Coppermithing Co. Ltd.	AL-3107 1	Tank, 350 U.S. Gallon Stainless Steel with Coll	\$ 570.27	

**SHIPMENT OF FENCIBLE EQUIPMENT TO BYEL RUSSIA**  
**C.E.R. - RICH/VE 289/AY**

CONTRACTOR	Serial Quantity No (and pod)	GENERAL	FAS US Value	SHIPMENT
Richardson Agencies, Ltd.	AL-3016	1 only Tanks, closed, 200 U.S. gal., 42" IDx36" jacketed glass lined with 2" insulation and steel sheathing, with agitator and 3/4 h.p. explosion proof motor and drive.	\$1,722.27	Coeur d'Alene Victory Jan. 24, 1947 B/L 40
	PA-1	3 only Tanks, 88, 400 U.S. gal., 48" x 60" with agitator and 1 h.p. explosion proof motor	\$9,036.01	Asbold May 27, 1947 B/L 1226
	PA-1	1 unit Distillation Unit, glass lined, Pfendler, consisting of 50 gallon glass lined kettle, Pfendler #551449, 50 gallon glass lined receiver, Pfendler #551451, and 83 tubular-condenser, Pfendler #551450.	\$1,727.15	Coeur d'Alene Victory Jan. 24, 1947 B/L 40
	PA-1	2 only Tanks, 50 U.S. gallon, glass lined, jacketed 24" ID x 29" insulated, steel sheathing, with agitator and 1 h.p. explosion proof motor	\$3,168.52	Asbold May 27, 1947 B/L 1228
	PA-1	3 only Tanks, Buffer, 200 gallon, SS, 40" x 38-5/8" with agitator and 3/4 h.p. explosion proof motor revised design of tank bottom and add baffles.	\$6,329.37	Rosina March 15, 1947 B/L 1210
	PA-1	1 only Tanks, 100 U.S. gallon, glass lined, jacketed, insulated and steel sheathed with agitator, baffle and 3/4 h.p. explosion proof motor.	\$1,824.01	Vladivostok May 15, 1947 B/L 1229
	PA-1	2 only Tanks, 50 U.S. gallon, glass lined	\$3,203.60	General Chernobayev June 30, 1947 B/L 1224
Whiting Corp., Ltd.	AL-3019 PA-2	4 Sharples 162 Super Centrifuge Vapour Tight Model Pressurized belt drive with explosion-proof motors, 6 separating bowls, 1 clarifying bowl, all SS		Asbold May 27, 1947 B/L 1226
	1 set	Sharples Laboratory Model Centrifuge direct drive SS bowls, 1 clarifying, 2 separating	\$16,919.34	

SHIPMENT OF PENICILLIN EQUIPMENT TO BYELORUSSIA  
C.R.B. - B-1887/UC 289/FF

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CONTRACTOR	Serial Quantity # Ordered	MATERIAL	FAS US Value	SHIPMENT
Fischer and Porter Company	AL-2025 1 only 1 only 1 only 1 only	Breth Rotameters Acetate Rotameters Phosphoric Acid Rotameters Rotameters for water		Crosby S. Hayes Dec. 23, 1946 B/L 2
W.A. Coyle, J.P. Devine Mfg. Co.	AL-3024 5 only	Special No. 1A Devine Vacuum Chamber Driers, each Cabinet to have 5 or 6 shelves.	\$4,586.08	Chelunkinets Oct. 3, 1947 B/L 1207
Division, R.K. Porter Co., Inc.	PA-2			
Canadian Laboratory Supply	AL-3020 1 only	International size 2 oil testing centrifuge with 267 A motor head	\$ 512.10	Sroscoples July 19, 1947 B/L 1214
Canadian Laboratory Supply	AL-3020 2 only	Model 40 SS 50-10 Brother Automatic pipetting machines	\$ 560.87	American Victory Dec. 13, 1946 B/L 25
F.S.B. Howard & Co., Ltd.	AL-3022 1 only PA-2	Elliot four-stage steam with intercondenser operating 115 lb. steam pressure 1 only Elliot three-stage steam ejector for use in starting operations.	\$5,050.07	Bahn May 21, 1947 B/L 301
John Inglis Co., Ltd.	AL-3109 1 set PA-3	Pump, set, consisting of: 1 each Acetate Pzn. 1 each Breth Pump 2 each Strong Acetate Transfer Pumps 1 each Spint Acetate Transfer Pumps 1 each Wash Bottle & Solvent Filling Pumps 1 each Chloroform Pumps 1 each Spurt Pumps (10 gpm 25-30 ft. Head gear pumps, 3/4 H.P. motors explosion proof SS gears, cast at 11 casings or equivalent.	\$2,872.00	Chelunkinets Oct. 3, 1947 B/L 1203
	AL-3109 1 set PA-3	Acid pump gear pump, 10 gpm., 30' head, hard rubber 3/4 h.p. explosion-proof.		
Canadian Ingersoll Rand Co. Ltd.	AL-2958 1 PA-3	4 ft. diameter by 2 ft face Bird Young Universal Filters all in accordance with proposal M-9913 Exp. 1773 of March 7 \$7,258.40		American Victory Dec. 13, 1946 B/L 12

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**SHIPMENT OF PENICILLIN EQUIPMENT TO HONGKONGIA**  
C.E.D. - B-1887/OC 289/77

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CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Richardson Agencies, Ltd.	AL-3045 PA-4	3	6"x66" vertical Pfendler glass-lined steel storage tanks furnished with 2" of cork insulation completely covered with a 3/16" mesh and supporting legs, 2-3" openings and 1-2" opening. \$5,566.97		Cosur D'Alene Victory Jan. 24, 1947 B/L 39
"	AL-3045	1	Pfendler Heat Exchangers (fixed tube sheet as on pages 8 & 9 Pfendler Condensor Manual No. 837, type 304 stainless on the tube side and plain carbon steel on the shell side. Dimensions "J" for broth 2" flanged, for coolant circulation 3" flanged. Tubes are type 304 stainless 66 o/d" OD 18 gauge 12' 0" long, AS tube sheets 3/4" thick design pressure 75 lbs. 1 sq. in. both shell and tube sides \$1,740.98		Akold May 27, 1947 B/L 1287
Chester A. Olson Co. Washington	CP 3999	5	Pumps, 3 to 10 gpm, operating at a total working head of 20', 1 1/4" - 4" electropump, fitted for 1-1/4" section and 1" discharge powered by a 50 cycle, 220/440 V. 2 pole electric motor. \$ 418.00		Christopher Oedeen May 19, 1947 B/L O-11
Harold Bate	TS 1257	3	Cold Storage Unit complete. Each unit to be complete with two self-contained refrigerating units and each refrigerating unit to have individual compressor, 3 h.p., 3 phase, 220V, 50 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. Each storage compartment is to have two swinging doors. The cold storage box approx. dimensions, 12'10" by 24'4" by 7'6", to be made up of sections. The refrigerating unit should be fully self contained and manufactured in such a way it would be possible to use them singly or in pairs. Units should be controller on an integral control panel. Total capacity approx. 2340 cubic ft. with spare parts. (UA 2855)		(3 Refrigerator units) Christopher Oedeen May 19, 1947 B/L O-13 (3 refrigerating units for above unit) shortshipped from the Christopher Oedeen were loaded on the James Ford Rhodes to Mareville July 2, 1947. These cabinets were transhipped at Mareville to the American Victory for Constanza Sept. 11th & on arrival in Constanza were again transhipped to Odesa via Kyriakos Ltd. \$6,435.00 Vessel.)
			1 set of spare parts	\$ 22.00	General Charnakovsky June 30, 1947 B/L 1204

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**SHIPMENT OF PENICILLIN MATERIALS TO KYRGYZSSIA**  
C.E.B. B-1887/UC 289/77

CONTRACTOR	Serial Quantity # Ordered	MATERIAL	FAS US Value	SHIPMENT
John Arman Air Conditioning Co.,	78-1258	8 Refrigerating unit, self contained, portable, complete with carrier compressor, 3 h.p. 220V. 50 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. B.T.U. capacity with Freon: 100 degree Ambient at 25 degree refrigerant - 19,000 B.T.U./hr. 100 degree Ambient at 10 degree refrigerant 8,950 B.T.U./hr. unit furnished should be same unit used with storage box above, with spare parts. (UA 2855)	\$6,116.00	Vladivostok May 15, 1947 B/L 1218
V. J. Stokes Co.	CF-3492	5 Vacuum Gauge, McLeod	\$ 400.00	Michael Frunze Feb. 25/47 B/L 1243
The West Company Philadelphia, Pa.	Tps 5355 P&A 2362	1,000,000 Stoppers, soft rubber, to fit 20cc penicillin bottles; #87 rubber stock composition, paraffined; to be stopper 8-29. (UA-191/P91-123-6)	\$4,255.00	Sewasaples July 19, 1947
The West Company Phoenixville, Pa. (Richardson Agencies)	812	1 Machine, capping, semi-automatic with ph.p. 60 cycle, 110/220 V. AC motor; turret type Westosuper designed to cap & crimp 20 mm size, triple seal aluminum caps of penicillin bottles, at the rate of 60 to 100 per min. e. (UC 364)		Not Yet Shipped Availability UN 5065
	812	500,000 Triple Seal Aluminum Caps 500,000 Single Seal Aluminum Caps	\$4,720.17	
Aluminum Co. of America	Tps 5465 P&A 2223	1,800,000 Closures, aluminum, 20 mm. size fitting N° 8-29 rubber stoppers for penicillin bottles 3 piece combination sterioap, Aluminum Co. of America N° 20-120 (UA-191/P91-123-6)	\$5,030.63	General Chernyakovsky June 30, 1947 B/L 304
Wharton Glass Co.	TPS 5123	6,957 gross Vial, glass, borosilicate, practical fill 20cc fill to base of neck; 24cc, O.D. 32mm, height 58mm. I.D. of neck 12mm. To be USP type 1 glassware Model N° 5-205. (UA-191/P91-123 5)	\$23,231.30	Baku May 21, 1947 B/L 334





**SHIPMENT OF PENICILLIN MATERIALS TO BYELORUSSIA**  
(Penicillin Drugs)

CONTRACTOR	SERIAL QUANTITY No. Ordered	MATERIAL	FAS US Value	SHIPMENT
J. T. Baker Chem. Co.	Tps 437 P&A 2479	16,900 lbs. Chloroform, technical, avail. from Dow Chem. Co. Midland, Michigan (UA 191/788-040-21)	\$3,160.30	General Chernakovsky June 30, 1947 B/L 1225
Robert Berry & Co. Ltd.	22,320 lbs.	Phosphoric Acid, 85% USP, syrupy. Not available from American Agri.Chem.(UC-517)-Merck	\$6,023.06	Baku Dec. 24, 1947 B/L 1211
British Govt. Contract (E.A.O)	PG 383	1,000 lbs. Acid Phenylacetic (From England)	\$1,108.25	Beloostrov Oct. 11, 1947 B/L 51
J.T. Baker Chem. Co.	TS 1070	400 lbs. Sodium Hydroxide C.P. reagent, sticks. UA-3041	\$ 132.00	Sveaples - B/L 1204 July 19, 1947
Robert Berry & Co. Ltd.	14,400 lbs.	Sodium Hydroxide, technical flakes, 100# pkg. (UC-517)	\$2,900.00	Not Yet Shipped Availability in 6055
P.M.A. Export Corp N.Y.C.	CP 3952	9 lbs. Acid Sulphuric C.P. concentrated, C.P. CP	\$ 1.40	Frederick Engels Apr. 22, 1947 B/L 1288
Difco Lab., Inc.	TS 1071	8106 grams Cystine L - Cystin - UA-3041	\$ 74.80	Asbold - B/L 1280 May 27, 1947
Ingra & Bell Ltd.	UC 517	2 1/2 lbs. Trypsin 1.75 Pancreas substance	\$ 20.00	Not Yet Shipped Availability in 5672
Difco Labs., Inc.	TS-1071	1° Kilos Pancreatic Extract (dried pancreas) UA-3041	\$ 242.00	Asbold - B/L 1280 May 27, 1947
Robert Berry & Co., Ltd.	1 lb.	Glucose (Diastase) USP IX (UC-517)	\$ 5.27	Not Yet Shipped Availability in 5943
New Zealand Govt. Contract	VS 3/6	2 long tons Lactose B.P. Standard Shipment made from New Zealand during Jan- 1947	\$ 704.00	
Mallinkrodt Chem. Works	CP 3951	2 1/2 lbs. Ferric Fertrate C.P.	\$ 6.68	Asbold - B/L 1308 May 28, 1947
Difco Lab., Inc.	TS 1071	18 lbs. Beef extract UA-3041	\$ 56.50	Asbold - B/L 1280 May 27, 1947

SHIPMENT OF PENICILLIN MATERIALS TO BYELORUSSIA

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CONTRACTOR	Serial Quantity # Ordered	MATERIAL	FAS US Value	SHIPMENT
Penicillin Drugs (Cont'd)				
M.Ya. Pulp & Paper Company	78-1069	650 lbs. Nichar G 190 H UA-3041	\$ 193.05	General Chernabrovsk June 30, 1947 B/L 1210
A. T. Baker Chem. Company	78-1070	1,260 lbs. Sodium Sulphate, anhydrous C.P. UA-3041	\$ 352.80	Cancelled
Cave & Co. Ltd.	217	600 lbs. Glass wool, lead free and borax free, fine .0002 to .0003 in. Pyrex high stability (UC-507)	\$1,093.25	Not Yet Shipped Availability UN 5461
Czechoslovakian Govt. Contract (E.R.O.)	PC 354 4,719	Tons Sodium nitrate USP VIII 0.3%	\$2,808.91	Shipped from Prague to Minsk-June 30, 1947
Ingram & Bell Ltd.	UC 517	5,200 lbs. Calcium Carbonate	\$ 249.34	Not Yet Shipped Availability UN 5461
P.M.R. Export Corp., N.Y.	CP-3932	40 oss. Acid, Para-aminobenzoic CP	\$ 82.25	Frederick Engels Apr. 22, 1947 B/L 128
Ingram & Bell Ltd.		50 grams Crystal Violet 85% Bacto (UC-517)	\$ 2.17	Not Yet Shipped Availability UN 5461
Difco Lab., Inc.	78-1071	50 lbs.- Agar. granular or shreds, USP (UA-3041)	\$ 302.50	Asbold-B/L 1280 May 27, 1947
Ingram & Bell, Ltd.		1,100 gms. Sodium Thyoglycolate (UC-517)	\$ 38.71	Not Yet Shipped Availability UN 5461
		22 lbs. Casein powder	\$ 16.50	Cancelled
		20 oss. Oil Immersion cedarwood, USP reagent	7.00	
		25 lbs. Sodium hypochlorite Solution USP	8.75	
Case & Co. Ltd.	1615	2 each Liquid Air Trap Pyrex, o.d. 29mm dia. of connecting tube - 20 mm (UC-517)	\$2.20	Not Yet Shipped Availability UN 5461
Standard Oil Co. of N.J.	CP-3954	5 gals Bearing lubricating oil. Pure paraffin odl. Viscosity 100 - 125 SSU 100	2.50	Asbold - B/L 1286 May 27, 1947

## SHIPMENT OF PENICILLIN MATERIALS TO UYKARUSSIA

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CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	PA. US Value	SHIPMENT
Wheelco Instrument Co.	TS-740	2 ea.	5 yds. Plastic tubing (Vinylite) O.D. 1 1/16" wall (UA-3059)	\$ 15.00	Cancelled
Sharples Corporation Philadelphia, Pa.	CP-3664	40 ea.	Belts, Sharples Super Centrifuge (CP-MD-719)	\$ 120.00	Asakold - B/L 1269 May 27, 1947
Gamma Instrument Co., Inc.	TS-635	2 sets	P.H. Motors, Lab. Model. Gamma Automat with Accessories (UA-3024)	\$ 892.98	Asakold - B/L 1272 May 27, 1947
Canadian Ingersoll-Rand Co. Ltd.		6 ea.	Carbon rings. Replace, aits for 14x11 Ingersoll Rand Class ES-1-RL Class 2 construction air compressors (UC-517)	\$ 139.53	Not Yet Shipped Availability UN 5695
Cave & Co. Ltd.	1470	1 ea.	Water distillation apparatus, 3 to 5 G.D.H. (UC-507)	\$ 297.29	Not Yet Shipped Availability UN 5470
	25 ea.		Sheets, stainless steel 2'x8' (For Byalo. Ukraine only)	Cancelled	
	5 ea.		Cylinder Freon 12	\$100.000	
Fisher Scientific Co., Ltd.	1476	20 dos.	Pipettes, Serological 500 ea., 1/10 graduation	\$ 110.48	Dimitri Donakoy Dec. 6, 1947 B/L 1208
Fisher Scientific Co., Ltd.	1476	14 ea.	Flasks, volumetric, 50cc ea. ground glass (UC 507)	14.59	
			TOPPER, GRX		
Cave & Co., Ltd.	1470	1 ea.	Pump, oil, vacuum, canco, Hynuo-Vac. 1/2 h.p. motor 220V 50 cycle, (UC 507)		Not Yet Shipped Availability UN 6151
Cave & Co., Ltd.	1470	1 ea.	Pump, oil vacuum onoco mega, Vac. w/motor 220V, 50 cycle. (UC-507)	\$ 227.76	
Fisher Scientific Co., Ltd.	1476	1 ea.	Filters, pressure Seitz Biological 10 liter capacity/ each with 1 gross filter discs. (UC-507)	\$ 323.13	Dimitri Donakoy Dec. 6, 1947 B/L 1208
Canadian Lab. Supplies Ltd.	1477	1 ea.	Counters, Quobco Colony Banco, MM scale (UC 507)	41.24	Rossie-B/L 1215 Nov. 1, 1947

## SHIPMENT OF PENICILLIN MATERIALS TO BYELORUSSIA

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CONTRACTOR	Serial Quantity # Ordered	MATERIAL	FAS US Value	SHIPMENT
	4 each.	Platinum, Loop	\$ 6.00	Cancels
Fisher Scientific Co., Ltd.	1476	300 ft. Tubing rubber, heavy, wall. 1/4" exterior UC 507	\$ 40.28	Dimitri Donakoy Dec. 6, 1947 B/L 1208
Canadian Lab. Supplies. Ltd.	1477	6 ea. Funnels, Separatory, 600.0 cc. stoppered globe (UC 507)	\$ 84.53	Not Yet Shipped Availability UN 5918
Cave and Co. Ltd.	1470	6 ea. Funnel, Buchner, Porcelain (not jacketed) (UC 507)	\$ 78.71	Not Yet Shipped Availability UN 5470
Bishop Scientific Co. Ltd.	1476	1 ea. oven. single well 220V, 50 C - AC (95005 A) W1 deketinsky Regulator (UC 507)	\$ 100.69	Dimitri Donakoy Dec. 6, 1947 B/L 1208
Robert Perry & Co. Ltd.	1507	5.1074 gals. Amyl Acetate (UC 516)	\$14.113.19	Sevzaples Nov. 14. 1947 B/L 1202
			3,802 3/4 gals.	Sevzaples Nov. 14. 1947 B/L 1202
			1,304 1/2 gals.	Sevzaples Nov. 14. 1947 B/L 1204

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## SHIPMENT OF PENICILLIN EQUIPMENT - EMERGENCY SPARE PARTS LIST FOR BYELORUSSIA

CONTRACTOR	Serial Quantity # Ordered	ARTERIAL	FAS US Value	SHIPMENT
Sharples Corporation				
	(10 gal.	Sharples Centrifuge Spare Parts & Supplies for the #16P Centrifuge		
		Bearing Oil.		12.00
	(10 lbs.	Novantene grease	(DP#D 779 Pt.8)	12.00
	2 dos.	Ring Dam Gaskets #155	"	2.40
	(24 each	Bowl Boss Sleeves (monal) #140	"	79.20
	(24 dos.	Bowl Bottom Gaskets #154	"	6.00
	6 each	Bowl Protecting Caps #125	"	5.40
	(36 each	Three wing springs stainless steel #176	"	9.00
	1 each	Drags, complete, stainless steel	"	228.00
	(36 dos.	Bushings #13	"	18.00
	1 each	Drag springs #18 (Stainless steel)	"	3.00
	4 each	Feed Nozzle - stainless steel, #154	"	28.80
	(24 dos.	Feed Nozzle - gaskets #155	"	1.40
	4 each	Ferrule cap - stainless steel #113	"	36.00
	(2 each	Ferrule body - stainless steel #114	"	66.00
	(48 dos.	Bullet catches #161	"	2.40
	(2 each	Brake assembly complete, Type 3, #127	"	16.80
	(2 each	Bearing complete - #12 bearing	"	90.00
	(2 each	Bearing sleeves #167	"	14.40
	(2 each	Sleeve nuts #168	"	1.80

 RUSSIA  
 Nov. 1, 1947  
 B/L 1213

Miss. 8743////////



## SHIPMENT OF PENICILLIN EQUIPMENT - EMERGENCY SPARE PARTS LIST FOR BYELORUSSIA

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Sharples Corp. (Continued)					
		4 each	Female clutch #70	\$12.00	
		12 each	Flexible coupling #75	3.60	
		2 each	Bearing washers #239	.60	
		12 each	Ball bearings #245	2880	
		12 dos.	Bearing oil filters #721	.30	See Proceeding Page
		4 each	Male clutch #71	7.20	
		12 dos.	Spindles, chrome plated #72	115.20	
		4 each	Spindle - screws #74	3.60	
		1 each	Idle Assembly complete	33.00	
		6 each	Idle Ball bearings #803	14.40	
		12 each	Belt, chart #77	36.00	
		16 each	Quaricidal Lamps, Q-1518, 18", (DPND 779 Pt 7) 15 watt.	52.92	Not yet delivered
Intal General Electric Co. Misc. 8757					
Instrument Company					
		1 each	121NN223 Taylor Fullscope Recording Temperature controller, Black case, face mounted bottom connected, 24 hour spring wound clock, reverse action, adjustable sensitivity, 12" chart, CP 4838, Range 0 - 120°C, over range protection D, each tube system 20 ft. mercury actuated capillary, 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel 3/8" long, including bulb, 18/8 stainless union connection including 3/4" thread hub nut, for full immersion; 700 charts, ink, etc., with all accessories, complete. (DPND 779 Pt 4)	498.10	Baku Dec. 24, 1947 B/L 1203
Misc. 8740		1 each	121NN223 Same as item 1, except each tube system 10' and 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel, 22 3/4" including bulb (DPND 779 Pt. 6)	478.90	

## SHIPMENT OF PENICILLIN EQUIPMENT - EMERGENCY SPARE PARTS LIST FOR BYELORUS IA

CONTRACTOR	Serial No	Quantity Ordered	DETAILS	FAS IS Value	SHIPMENT
Robert D. Shaw Company Misc. 8737	{	1 each	Standard Assay Cup Dispensers (DPMO 779 Pt 2)	90.00	Russia Nov. 1, 1947 B/L 1206
		6 each	24" Stainless steel manifold tubes. 7/16" O.D., 0.032" wall thickness. (DPMO 779 Pt 2)	12.90	
Eriksen Screw Machine Company Misc. 8739		2,500 each	Stainless Steel Revolverliners, .5125 O.D., .242 I.D., .400 Length (DPMO Pt 1)	125.00	Chalukindota Oct. 3, 1947 B/L 1201
Robert Berry & Co. Ltd.		750 lbs.	Torgitol (Emulsion breaker) in drums suitable for export. (UC-531)	395.59	Bahn B/L 1201 Dec. 24, 1947
Fischer Scientific Co., Ltd.		1 each	Soita Filters, size 100 ml. (UC 579)	21.65	Not yet shipped Availability UN 5815
Fischer Scientific Co. Ltd.		1 each	Constant Temperature water baths, type for Lab. essay work "Trenn", size 16, 220V (UC 579)	171.18	Not yet shipped Availability UN 5897
Fischer Scientific Co., Ltd.		1 each	Lab Freeze-dry set-ups as per sketch provided Fischer Scientific Co. by Merck. To include manifold connecting flasks and 2 traps/set. (UC-579)	122.76	Not yet shipped Availability UN 5815
Fischer Scientific Co., Ltd.		1 each	Barnstead Stillis, capacity 10 G.P.M., steam heated (UC 579)	332.29	Not yet shipped Availability UN 6296

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## SHIPMENT OF PERICULOUS EQUIPMENT - EMERGENCY PARTS LIST FOR SYRILUSSIA

CONTRACTOR	Serial #	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Taylor Instrument Co. (Continued)		1 each	121N123 Same as 1 on 1, except 1 pen and 1 control system, 10' mercury actuated tubing 18/8 stainless steel bulb with rigid extension of 18/8 stainless steel. 22 3/4" long including bulb. (DPTD 779 Pt 6)	\$254.95	
		3 each	419323 1/4" reducing valves (DPTD 779 Pt 6)	21.00	See Proceeding Page
		3 each	189117 Air Filter (DPTD 779 Pt 6)	19.50	
		3 each	590225 Taylor 1 inch Diaphragm valve, standard construction. (DPTD 779 Pt 6)	112.50	
		2 each	590226 Taylor 2 inch Diaphragm valve, standard construction (DPTD 779 Pt 6)	146.00	
Paramount Rubber Company		1 each	atching Tanks, 6" dia of carbon steel 3/16" plate, circular - 45" diameter, 60" high. To be mounted on 38" legs with threaded foot plates for leveling. (DPT 779 Pt. 5)		
		2 each	Air Filters (for fermenter) carbon steel 16"x5'8" overall. Bottom 12" to be conical to 3/4" outlet equipped with globe valve. Top be to flange and removable - vessel to be constructed of 16" standard pipe and tested to 15 p.s.i. - 16" perforated plate to be installed at base of pipe for vent support and 12" perforated plate supported by flange to be extended inside of pipe 12". Two 2" nipples to be welded to vessel diametrically opposite about 6" from top. 2" inlet placed just below bottom perforated plate, per blueprint attached, (DPTD 779 Pt. 5)	\$930.00	Not Yet Shipped Availability P/L 168
		3 each	Air filters (for seed vessels) Carbon steel 6"x3' overall. Lower 8" to be conical to 1/2" outlet equipped with globe valve. Same specifications as above in proportionate dimensions. Details to be 1". See blueprint attached. (DPTD 779 Pt. 6)		

Misc. 8314

CONTRACTOR	Serial Quantity # Ordered	MATERIAL	FAS US Value	SHIPMENT
Fisher & Porter Company Misc. 8741	2 each	Master Enclosed Flovators to have the following specifications: METERING INSTRUMENT, Figure # 736, Meter Size: 1 1/2; Connection size: 3/4"; Connection Type & Rating, Flanged Flat face, Material of fitting, Bronze, Float Guide, Patented "Bead Guide" tube with 3 raised glass ribs to center and to guide the float, Packing, Neoprene, Connections to Face, Inlet-left, Outlet-right, unless otherwise specified, Panel Mounting Fittings, None, metering, tube, BUNA25, headed, 200 mm. scale, Type of scale & units, Direct reading, Float specifications, BUNA25, 1 1/2 of stainless steel. FLUID SPECIFICATIONS, Fluid Air, Color & Transparency, Transparent, Specific Gravity, 1.00, Operating Pressure, Atmospheric, Operating Temperature, 70°F. FLOW RANGE, Maximum flow, 200 CFM, Minimum flow, 29CFM. To include outline drawings and pressure correction curves. (DP#D 779 Pt. 4)	\$442.00	Serged Kirov Oct.23,1947 B/L 1212
	3 each	Master Enclosed Flovators to have the following specifications: METERING INSTRUMENT, Figure # 735, Meter Size, 6; Connection size, 3/4"; Connection Type & Rating, screwed, Material of Fitting, Brass; Float Guide, Patented "Bead Guide" tube with 3 raised glass ribs to center and to guide the float; Packing Neoprene; Connections to Face: Inlet-left, outlet-right, unless otherwise specified; Panel Mounting Fittings, None, Metering Tube, BUNA25, headed, 250mm scale; Type of scale & units, Direct reading; Float specifications- BQ-62 of stainless steel. FLUID SPECIFICATIONS, Fluid, Air, Color & Transparency, Transparent, Specific Gravity, 1.00; Op rating Pressure, Atmospheric; Operating Temperature, 70°F. FLOW RANGE, Maximum flow, 200CFM, Minimum flow 1.4 CFM. To include outline drawings and pressure correction curves. (DP#D 779 Pt. 4)	196.80	
Mason- M edlen Regulator Company Misc. 8738	2 each	2" #516 Back Pressure Regulators, cast iron body, flanged ends, F&D 250 # Ex. Hy. Standard #304 18/8 stainless steel trim. Grease sealed Lubricator, #1 Grease #7 case, Adjustable range 6-20 PSI, Controlling Air 0-200 CFM. DP#D 779 Pt. 3		Baku Dec.24,1947 B/L 1214
	3 each	1 1/2" #516 Back Pressure Regulators, Cast Iron Body, screwed ends, #304 18/8 stainless steel trim, Grease sealed Lubricator, #1 Grease #9 Case, Adjustable range 2-7 PSI Valve open above 5 PSI, Controlling Air 0-25 CFM. (DP#D 779 Pt. 3)	492.00	

SUPPLEMENTARY REPORT  
SHIPMENTS OF PIPES AND FITTINGS FOR PERICULUM EQUIPMENT TO HYDROUSSIA

CONTRACTOR	Quantity Shipped	MATERIAL	FAS US Value	SHIPMENT
Orme & Company, Ltd. DC 413	732' 10"	1" Type 304 C.D. Stainless Steel Seamless Tubing	\$1,234.44	1 Mikhail Kutusov Nov. 18, 1947
	322' 6"	" " " " " " " "	1,002.68	) B/L 1203
The following items were all shipped on the Vladivostok B/L 1202, February 14, 1948 packed in 6 boxes, gross weight, 1,201 lbs., value \$1,760.37				
	65	1" #8890 stainless steel unions		
	6	1 x 1/2" #8886 stainless steel box. bushings		
	4	1 1/4 x 1 " " " " " "		
	6	1 x 1/2 " " " " " "		
	4	2 x 1 1/4 " " " " " "		
	6	1/2 x 1/4 " " " " " "		
	2	2" #8840 stainless steel gate valves SCD		
	11	3" #552 E Std seamless steel 90° welding elbows		
	12	4" " " " " " "		
	16	6" " " " " " "		
	22	1 1/4" 355 1/2 all iron SCD globe valves		
	50	1/2" #555 all iron SCD globe valves		
	26	1 1/2" " " " " " "		
	13	2" " " " " " "		
	46	3/4" " " " " " "		
	3	1 1/4" #808 All iron SCD gate valves		

The following items were all shipped on the Vladivostok B/L 1219 February 14, 1948 packed in 26 cases, gross wt., 10,344 lbs., value \$4,435.13

200	1/2 x 1 1/2" Sq. Hd. carbon steel machine bolts with hexagon nuts
50	1 1/2" #519 blk M.I. ER unions
50	1 1/4" " " " " " "
25	1/2" " " " " " "
60	3/4" " " " " " "
100	1" " " " " " "
50	1/2" #519 Galv. M.I. ER Unions
24	1 1/2" Std. blk. C.I. Tees
50	1/2" " " " " " "
75	1" " " " " " "
12	1 1/4" " " " " " "

**SUPPLEMENTARY REPORT**  
**SHIPMENTS OF PIPES AND FITTINGS FOR PENICILLIN EQUIPMENT TO BYELORUSSIA**

CONTRACTOR	Quantity Shipped	MATERIAL	Value	SHIPMENT
			745 US	
			Value	
	12	1 1/2" Std. Galv. C.I. Tees		
	12	2" " " " "		
	30	3/4" " " " " "		
	30	1" " " " " "		
	36	1 1/4" " " " " "		
	6	1 1/4 x 1 1/4 x 3/4" Std. Galv. C.I. Rod Tees		
	150	1 1/2" Std. Blk C.I. Ells		
	50	2" " " " " "		
	50	1 1/2" " " " " "		
	100	3/4" " " " " "		
	150	1" " " " " "		
	50	1 1/4" " " " " "		
	50	1 1/2" Std. Galv. C.I. Ells		
	30	3/4" " " " " "		
	24	1" " " " " "		
	36	1 1/4" " " " " "		
	12	1 1/2 x 3/4" Std. Blk C.I. Rod Ells		
	1	3 x 1 1/4" " " " " "		
	1	1 1/4 x 1" Blk Shoulder Bushings F.F. & D.		
	2	3" #525 Std Blk C.I. Ells		
	1	6" " " " " "		
	2	6 x 3" #545 Std. Blk C.I. Rod Ells F.F. & D.		
	1	8 x 6" #545 " " " " "		
	2	3" #29 Std Blk C.I. Tees F.F. & D.		
	2	6" #29 " " " " "		
	52	3 x 1 1/2" Std #553 Blk C.I. Comp. Flanges F & D		
	19	6 x 1 1/2" " " " " "		
	1	8 x 13 1/2" " " " " "		
	6	4 x 9" " " " " "		
	46	1 1/2" #883 Alliron gate valves STD F.F. & D.		
	5	3/4" " " " " "		
	24	1" " " " " "		
	26	1 1/4" " " " " "		
	20	3" #73 all iron gate valve		
	3	4" " " " " "		
	4	6" " " " " "		
	7	4" #73 all iron gate valves F.F. & D air under water tested		

Vladivostok, 3/1 1219  
 (Continued)



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SUPPLEMENTARY REPORT  
SHIPMENTS OF PIPES AND FITTINGS FOR PENCILLEN EQUIPMENT TO KYZLORSSIA

CONTRACTOR	Quantity Shipped	MATERIAL	PAS US VALUE	SHIPMENT
	11	6" #A73 all iron gate valves P & P&D air under water tested		Vladivostok, B/L #219 February 4, 1948
	40	3 5/8" O.D. style "T" handwheels		
	4	2x2x2" #A888 stainless TEE'S SCD		
	86	1" #A8868 " "		
	65	1" #A8860 Stainless Steel 90 degree SCD elbows		
	100	1" #A8840 " Gate valves BCD		
	20	1" #A8803 " Globe valves		
	40	1" #A8889 Stainless steel SCD comp. flanges P & D		

SUPPLY ESTIMATE REPORT  
SHIPMENTS OF PIPES AND FITTINGS FOR POLICELINE EQUIPMENT TO MYELORUSSIA

CONTRACTOR	Item No	Quantity Shipped	MATERIAL
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Ideal Supply Company      The following piping was shipped on the KARENIZ POGOLSK 3/L 1201, January 8, 1948, Total value \$428.21

1	210ft.	1/4" black pipe, threaded and coupled
2	315 ft.	1/2" " " "
3	252 ft.	3/4" " " "
4	168 ft.	3/4" galven. pipe threaded and coupled
6	420 ft.	1" galven. pipe, threaded and coupled
8	105 ft.	1 1/4" black pipe threaded and coupled
9	126 ft. 1	1 1/4" galven. pipe threaded and coupled
13	65 ft.	4" black pipe, plain ends threaded and coupled
15	93 ft.	8" x 25 lbs. black pipe, plain ends
16	20 ft.	12" x 50 lbs. " " "

The following piping was shipped on the VLADIVOSTOK, B/L 1214, February 14, 1948, total value \$2,653.83

3	147 ft.	3/4" black, threaded and coupled
5	210 ft.	1" " " "
6	210 ft.	1" galven. pipe, threaded and coupled
7	770 ft. 6"	1" stainless steel no. 304 pipe, seamless
11	311 ft.	2" stainless steel no. 304 pipe, sea loss
12	105 ft.	3" black pipe, plain ends
13	69 ft.	4" black pipe, plain ends
14	68 ft.	6" " " "

The following piping was shipped on the VLADI OCTOK, 3/L 1216, February 14, 1948, total value \$322.46

3	147 ft.	3/4" black, pipe, threaded and coupled
5	210 ft.	1" " " "
6	210 ft.	1" galven. pipe threaded and coupled
13	86 ft. 7"	4" black pipe, plain ends
14	91 ft. 4"	6" " " "

**SUPPLEMENTARY REPORT**  
**SHIPMENTS OF PIPES AND FITTINGS FOR PENICILLIN EQUIPMENT TO BYELORUSSIA**

CONTRACTOR	Item No.	QUANTITY SHIPPED	MATERIAL

The following piping is in New York to be loaded on the first available vessel, total value \$232.46

5	210 ft.	1" black pipe, threaded and coupled
6	210 ft.	1" galvan. pipe, threaded and coupled
10	105 ft.	2" " " " "
13	113 ft.	4" black pipe, plain ends.

The following items were delivered by February 29th, 1948 and will be shipped as soon as possible. This will constitute the last and final shipment of piping for the penicillin plant, total value \$88.35.

6	210 ft.	1" Galvan. pipe, threaded and coupled	} Cancelled
10	210 ft.	2" " " " "	
14	81 ft.	6" Black pipe, plain ends	
15	67 ft.	8" x 25 lbs. black pipe plain ends	

## SUPPLEMENTARY

## SHIPMENTS OF PIPES AND FITTINGS FOR P.

CONTRACTOR	Item #	QUANTITY SHIPPED	
Ideal Supply Company	The following items were delivered by February 29th. 1948 and will constitute the last and final shipment of piping and fittings.		
	6.	210 ft.	1" Galvanized Pipe, Threaded and
	10.	210 ft.	2"

STATEMENTS OF PARTICULAR EQUIPMENT TO ITALY

PAGE 1

M.E.B. B-1758/UC-266

CONTRACT NO.	Serial No.	Quantity Ordered	MATERIAL	Value	DATE
Canadian Ingersoll Rand Co. Ltd. A1-3059		1	14x11 Canadian Ingersoll Rand Class E3 1-AL Class 2 construction air compressors complete with accessories (price inclusive): Filter, Air Inlet Sump, Intake Receiver, Air, 42" x 10" After Coolers, 88 RPM, with safety valves Motor, 60 H.P., 380/220V, 3 phase, 50 cycle Companions, starting, for above 60 H.P. motor 14x7 Canadian Ingersoll Class 2-1 pump and accessories (price inclusive): Motor, 20 H.P., 380/220 V, 3 phase, 50 cycle including starting components. Access, sliding, for above motor	\$8,908.65	Marchport B/L #10 4 B/L #11 June 5/47
Canadian Westinghouse Co. Ltd. A1-3011 PA-1		2	15 H.P., 3 phase, 50 cycles, 1500 RPM, 380/220 volt 40°C rise, protected type H.S. unit (no cage induction motors with normal starting torque and low starting current and 10 only bases for motors complete with starters.	\$ 496.04	Mont Alta B/L #5 Sept 19/47
Leand Electric Canada Ltd. A1-3012 PA-1		3	Motors, 3/4 or 1 H.P., 380/220 V, 3 phase, 50 cycle.	\$ 122.00	Mont Gaspe B/L #4 April 17/47
Smart Turner Machine Co. A1-3013 PA-1		1	1 1/2 LDD at a medium centrifugal pump, standard fitted with own type iron iseller, bell bearings, direct connected to 1 1/2 H.P., 3 phase, 50 cycle, 220/380 volts, 1500 RPM standard impregnated protected type motor, together with manual starting switch having thermal overload protection.	\$ 157.77	Marchport B/L #5 June 5/47

SHIPMENTS OF PHARMACEUTICAL EQUIPMENT TO ITALY

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C.S.D. B-1758/UC-266

CONTRACTOR	Serial No.	Quantity ordered	MATERIAL	UNIT VALUE	SHIPMENT
The Canadian Fairbanks Morse Co.	Al-3014	2	Fairbanks-Morse 1 1/2", Figure 5531, all iron centrifugal pumps mounted on base and direct connected through flexible coupling to and including an Electric Taper & Equipment Company 3 H.P., 3 phase, 50 cycle, 380/220 volts, 1500 RPM, 50°C rise, standard protected type electric motor.	\$833.96	Marchport B/L #90 June 5/47
	Al-3014	1	Fairbanks-Morse 1", Figure 5531, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Taper & Equipment Co. 1 1/2 H.P., 3 phase, 50 cycle, 380/220 volt, 1500 RPM, 50°C rise, standard protected type electric motor.		
Taylor Instrument Companies of Canada, Ltd.	Al-3015 PA-1	1	Thermometer, Instrument Recording, #76JM223 Taylor, 2 pen record, with left and right tube system, 20 ft. leads, with a 33" rigid 18-SS stem and union connection assembly. Range of instrument, 0-225 F., with over-range protection 0 chart No. 0P-136.	\$654.85	Port Clair B/L #1 May 2/47
		1	Thermometer, recording, 2 pen, chart (same as above except for 10' leads & 22-3/4" stem).		
		1	Thermometer, Recording, 1 pen, (same as above except for 10' leads & 22-3/4" stem).		
De Sore & Williams Ltd.	Al-3016 PA-1	2	Type "7C" agitators having 1/2 H.P., 380/220 volt 3 phase, 50 cycle, 1500 RPM open protected motor stainless steel shaft, and controller for use in tank 45" dia. x 4 ft. deep.	\$108.86	Marchport B/L #6 June 3/47
The Toronto Iron Works, Ltd.	Al-3055 PA-1	2	Tanks, 7'x15'	\$6,000.02	Marchport B/L #1 June 5/47
		3	Tanks, 40" dia. x 3' 2 5/8" plain steel complete with reducer motor coupling on slow coupling 90 RPM		



OF  
C.E.B. B-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	PAS US Value	SHIPMENT
General American Transportation Corp.	TPS-2733	2	Turbo-Mixers, impellers, quadruplex; for agitation without motors. (UA 1687)	\$1,887.60	Booster State B/L #1 UN June 11/47
Anti-biotics, USDA, Food & Drug		1	Samples pure penicillin G crystal form 1667		Turned over to trainees
		1	Sample pure penicillin K crystal form 85% (non-standard)		
Anti-biotics, USDA, Food & Drug (cont'd)		1	Sample standard streptococcus aureus 209P		Turned over to trainees
		1	Sample Bacillus Subtilis 3D PG1-220		
Northern Regional Research Lab.		1	Sample penicillin chrysogenum 1984 H22		
		1	Sample penicillin notatatus 832		
		1	Sample Bacillus Davis Dubos B5M		
		1	Sample Mould 1612		
Madison Wisconsin		1	Sample X-1612 in soil		
		1	Sample culture X		
		1	Sample culture Q176		
Pennell Boiler Ltd.	AI-3017	1	60" dia. by 15'-1" long storage tanks welded construction made of 3/16" steel plate in shell 4" flatheads, with 16" bolted manhole four 2" screwed outlets and two 1/2" in each head. Painted two shop coats of paint outside only, all outlets to be plugged for shipping.	\$270.88	Mont Grappe B/L #12 Dec. 26/46
Toronto Coppermithing Co. Ltd.	AI-3056 PA-2	1	50 gal. SS covered tanks with Conical Bottom & SS cooling coil	\$434.36	Mont Grappe B/L #17 Dec. 26/46 Tank shipped without agitator & thermometer.

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## SHIPMAN'S OF PENICILLIN EQUIPMENT TO ITALY

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C.M.B. B-1758/UC-266  
ON

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	IAS US Value	SHIPMENT
					Marchport B/L #7 June 5/47 Agitator & thermometer for above tanks shipped with 35 gal. tanks confirmed by 17
Monte Copper Smithing Co. Ltd.	Al-3056 PA-2	120	Trays (Aluminum or Copper Construction) with individual compartments like egg crates for holding vials during freezing and drying.	\$1,443.92	Mont Caspe B/L #107 Dec 26/46
Taylor Instrument Co.	Al-3058	2	Single Pen Taylor Recording Thermometers Chart no. DP 3502, range 0-100° F 10' lead 15-8 ES Accuratus tubing stem length 24" with one Trico Air Filter and one air reducing valve #5 and one Taylor Mono Steel Even Action Diaphragm Valve.	\$1,922.32	Makedonia B/L #8 March 21/47
	Al-3058 PA-2	4	Single Pen Taylor Recording Thermometers Chart No. DP 3502, range 0-100° F 10' lead, 18-88S Accuratus tubing, stem length 20" with one Trico Air Filter and one air reducing valve #5 and one Taylor Mono steel Even Action Diaphragm Valve.	<del>4,922.32</del>	
	PA-2	4	Taylor Gauge Thermometers		
Division Bridge Co., Ltd.	Al-3057	2	Autoclaves for steam sterilizing of penicillin vials, diameter 10", length 7'	\$1,601.80	Mont Caspe B/L #13 Dec. 26/46
Canadian Ice Machine Company	Al-3059	1	Canadian Ice Refrigerator Units (Compressor & Piping)	\$ 541.76	Mont Clair B/L #31 Oct. 29/47
English Electric Co. of Canada Ltd.	Al-3060 PA-3	2	Squirrel Cage Motors, frame 326, 15 H.P. 1700 RPM 220/380 volt, 3 phase, 50 cycle, 50 DEG. C. Rise, continuous rated, protected type, with antifriction bearings and with sliding base but without pulley	\$ 414.26	Mont Caspe B/L #9 April 12/47

# SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY

ON

C.E.B. B-1758/UC-266

PAGE 3

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	ZAS US Value	SHIPMENT
United Steel Co., Ltd.	AL-1108	10	Belt Drive, Belt, Dodge V., for 15 H.P. motor, belt and pulley to fit on motor	\$180.53	Not yet shipped
		4	Shoes		UN 6128
Toronto Coppermithing Co. Ltd.	AL-1107 PA-1	2	Can Corn Oil, 10 gal., complete with gauge and safety valve.	\$693.83	Marchport B/L # June 5/47
Toronto Coppermithing Co. Ltd.	AL-1107	1	Tank, 350 U.S. gallons stainless steel with coil	\$570.27	Marchport B/L # June 5/47
Richardson Agencies, Ltd.	AL-1018	1	Tanks, closed, 200 U.S. gal. 42" IDx36" jacketed glass lined with 2" insulation and steel sheathing, with agitator and 7/8 h.p. explosion proof motor and drive.	\$3,712.27	Mont Clair B/L # May 20/47
Richardson Agencies, Ltd.	PA-1	3	Tanks, SS, 400 U.S. gal. 46" with agitator and 1 H.P. explosion proof motor	\$9,036.61	Marchport B/L # June 5/47
Richardson Agencies, Ltd.	PA-1	1	Distillation Unit, glass lined, pfundler; consisting of 50 gallon glass lined kettle, pfundler #B-51449; 50 gallon glass lined receiver, pfundler #B-51451, and SS tubular condenser, pfundler #B-51450.	\$1,727.15	Mont Clair B/L # May 20/47
Richardson Agencies, Ltd.	PA-1	2	Tanks, mix, 50 U.S. gallon, glass lined, jacketed 24" IDx29" insulated, steel sheath, with agitator and 1 H.P. explosion proof motor	\$3,165.52	Mont Sorrel B/L #12 April 24/47
Richardson Agencies, Ltd.	PA-1	3	Tanks, Buffer, 200 gallon, SS, 40" x 38 5/8" with agitator and 3/4 H.P. explosion proof motor revised design of tank bottom and add baffles	\$6,129.37	Mont Sorrel B/L #11 April 24/47

SHIPPED LESS VALUES

# SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY

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C.E.B. B-1755/UC-266

ON

SHIPMENT

FAS US  
Value

MATERIAL

Quantity  
Ordered

Serial  
No.

CONTRACTOR

Richardson Agencies, Ltd.	PA-1	10	Tanks, 100 US. gallon, glass lined, jacketed, insulated and steel sheathed with agitator, baffle and 3/4 H.P. explosion proof motor	\$1,824.01	Marchport B/L # June 5/47
Richardson Agencies, Ltd.	PA-1	2	Tanks, 50 U.S. gallon, glass lined	\$3,283.60	Mont Caspe B/L #29 June 30/47
Watling Corp., Ltd.	AI-3019 PA-2	4	Sharples 16" Super Centrifuge Vapour Flight Model Pressurized belt drive with explosion-proof motors 6 separating bowls, 1 clarifying bowl, all SS	\$16,919.34	Marchport B/L #16 June 5/47
		1 set	Sharples Laboratory Model Centrifuge direct drive SS bowls, 1 clarifying, 2 separating.		
Fischer & Porter Company	AI-3025	1	Broth Rotameters	\$429.39	Highpoint Victor B/L #2
		1	Acetate Rotameters		Dec. 26/46
		1	Phosphoric Acid Rotameters		
		1	Rotameters for Water		
A. Coyle, J... Devine Mfg. Co. Division, R.A. Porter Co., Inc.	AI-3024 PA-2	5	Special No. 1A Devine Vacuum Chamber Dryers each cabinet to have 5 or 6 shelves	\$4,586.09	Mont Caspe B/L #28 June 30/47
Canadian Laboratory Supply	AI-3020	1	International size 2 oil testing centrifuge with 267 A Nitar head	\$512.10	Marchport B/L #15 June 5/47
Canadian Laboratory Supply	AI-3020	2	Model 40 SS 50-10 Brewer Automatic Pipetting Machines	\$360.87	Mont Caspe B/L #16 Dec. 26/46

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SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY

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C.E.B. B-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	F.P.S US Value	SHIPMENT
F.S.B. Howard & Co., Ltd.	Al-3022 PA-2	1	Alliot four-stage steam with intercondenser operating 115 lb. steam pressure Alliot three-stage steam ejector for use in starting operations.	\$5,050.07	Hellenic Star B/L #UN 1 July 7/47
John Inglis Co., Ltd.	Al-1109 PA-3	1 set	Pump, set, consisting of: 1 each Acetate Pump 1 each Broth Pump 2 each strong acetate transfer pumps 1 each wash tanks & solvent filling pumps 1 each chloroform pumps 1 each Spare pumps (10 gpm 25-30 ft. head gear pumps, 3/4 HP motor's explosion proof SS gears, cast steel casings or equivalent. Acid pump gear pump, 10 gpm., 30' head, h and rubber 3/4 h.p. explosion-proof	\$2,872.00	Mont Alta B/L # Sept. 19/47
Canadian Ingersoll Rand Co. Ltd.	Al-2958 PA-3	1	4 ft. diameter by 2 ft. face Bird Young Universal Filters all in accordance with proposal M-9013 Exp. 1773 of March 7.	\$7,258.40	Mont Caspe B/L # Dec. 26/46
Mardeson Agencies, Ltd.	Al-3045 PA-4	3	66x66" vertical Pfandler glass-lined steel storage tanks furnished with 2" of cork insulation completely covered with a 3/16" manhole and supporting legs, 2-3" openings and 1-2" opening.	\$5,566.97	Makedonia B/L # Nov. 30/46
Mardeson Agencies, Ltd.	Al-3045 PA-4	1	Pfandler Heat Exchangers (fixed tube sheet type as on pages 8 and 9 Pfandler Condenser Manual No. 837, type 304 stainless on the tube side and plain carbon steel on the shell side. Dimensions 43" for broth 2" flanged, for coolant circulation 3" flanged. Tubes are type 304 stainless 66 1/4" OD 16 gauge 12' 0" long. SS tube sheets 3/4" thick design pressure 75 lbs. 1 5/8 in. both shell and tube sheet <sup>7/8" thick</sup> 3/4" thick.	\$1,740.58	Marchport B/L # June 5/47

SHIPMENT OF PENICILLIN EQUIPMENT FOR ITALY  
ON

C.I.B. B-1753/UC-266

CONTRACTOR	SERIAL NO.	QUANTITY ORDERED	MATERIAL	FAS US Value	SHIPMENT
Christopher A. Olsen Co. Washington	OF 1599	5	Pumps, 3 to 10 gpm, operating at a total working head of 20 feet, 1 W, 4 - 4 electropump, fitted for 1 - 1/4" suction and 1" discharge and covered by a 50 cycle, 220/440 volt, 2 pole electric motor	\$418.00	Hellenic Berch April 6/47 B/L V-9
A & M Industries & Trading Corp.	TS 1255	8	Cold Storage Unit complete. Each unit to be complete with two self-contained refrigerating units and each refrigerating unit to have individual compressor, 3 h.p. 3 phase, 220 volt, 50 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. Each storage compartment is to have two swinging doors. The cold storage box approx. dimensions: 12' 10" by 24' 4" by 7' 5", to be made up of sections. The refrigerating unit should be fully self contained and manufactured in such a way that it would be possible to use them singly or in pairs. Units should be controlled from an integral control panel. Total capacity approx. 2340 cubic ft. With spare parts. (UA 2855)	\$4,290.00	Christopher Olsen B/L #5 May 25/47 2 refrig units / Annual Cons 2 refrig cabs. / B/L LAL July 12
Harold Water Co.	TS 1257	1		\$2,156.00	1 refrig. unit Chris. Olsen B/L # May 25/47 1 refrig. cab. Samuel Holt B/L LAL Jan 12 1 set spare parts Hoosier State 4/1 27/48 June 11
John Annon Air Conditioning Co. Inc	TS-1258	8	Refrigerating unit, self contained, portable, complete with carrier compressor, 3 h.p. 220 volt, 50 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. B.T.U. capacity with Freon: 100 degree Ambient at 25 degree refrigerant - 19,000 B.T.U./hr. 100 degree Ambient at 10 degree refrigerant 8,950 B.T.U./hour, unit furnished should be same unit used with storage box above, with spare parts. (UA 2855)	\$6,116.00	Asbury Vicksory B/L #2 April 29, 1947

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SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY  
ON

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C.E.B. B-1758/UC-266.

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	7-9-48	
				Value	SHIPMENT
J. Stokes Co.	OP-3492	5	Vacuum Gauge, Heliod	\$700.00	Honduras Victory Feb. 18, 1947 B/L 9
The West Co., Phila. Pa.	PAA 2559 TPS 5355	1,000,000	Stoppers, soft rubber, to fit 20 cc penicillin bottles; 487 rubber stock composition processed; to be stopper S-29. (UA-191/P91-LAS-6).	\$4,235.00	Catavba Victory B/L H-3 July 9/47
The West Co. Phoenixville, Pa. (Richardson Agencies)	812	1	Machine, capping, semi-automatic with $\frac{1}{2}$ H.P. 60 cycle, 110/220 volt, AC motor; turret type wastocapper designed to cap & crimp 20 mm size, triple seal aluminum caps of penicillin bottles, at the rate of 60 to 100 per minute. (UC 364) Triple Seal Aluminum Caps Single Seal Aluminum Caps.	\$4,720.17	Actor B/L 2 Dec. 2/47
Aluminum Co. of America	PAA 2220 TPS 5465	1,100,000	Closures, aluminum; 20 mm. size fitting No. S-29 rubber stopper for penicillin bottles 3 piece combination stericap, Aluminum Co. of America No. 20-120. (UA-191/P91 - LES-6)	\$5,021.50	Grigoriens Cliff B/L #3 April 26/47
Whitton Glass Co.	PAA 2146 TPS 5123	6,954 gross	Vial, glass, borosilicate, practical fill 20 cc fill to base of neck, 24 cc; O.D. 32mm; height 58 mm, I.D. of neck 12½ mm. To be USP type 1 glassware Model No. 5-205 (UA-191/P91 - LES 5)	\$23,225.11	Lone Star State B/L WYV -9 May 17/47
Corn Products Refining Co.	PAA 2209 TPS 542	75,743 lbs.	Steezy water. Available from Corn Products Refining Co. 17 Battery Place, N.Y. (UA-191/P88 - DAC-21 190 tons)	\$3,345.18	Lone Star State B/L MWB 10 May 17/47

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## SUPPLY OF PENICILLIN EQUIPMENT TO INDIA

OR

C.A.S. B-1758/UC-266

C. N. FACTORY	Serial No.	Quantity Ordered	IN FINAL	PAS US Value	SHIPMENT
Corn Products Refining Co.		38 short tons	Same as above	\$2,776.00	Canceled
Mellinckrodt Chem. Works	P&H 2226 TPS 6026	825 lbs.	Potassium dihydrogen phosphate (mono-basic). Available from Mellinckrodt Chem. Works, St. Louis, Mo. (UA-191/193 DMC-21)	\$ 226.10	Originals Bill B/L #4 A-11 26/47
Western Condensing Co.	TPS 6176	117,800 lbs.	Lactose (milk sugar) Commercial grade in 100 lbs. drums (UA-191/PSS - DMC 24)	\$33,972.30	Hellenic Line B/L UN-4 March 10/47
Swift & Company	TPS 6312	11,496 lbs.	Penicillin deforming agent (UA-2768)	\$4,940.20	Long Star State B/L ZUN May 17, 1947
East of Toledo	P&H 2048	200 lbs.	Phenol, USP, fused (acid carbollic)	\$36.14	
East of Toledo		200 lbs.	Magnesium Sulphate crystal		
Wm. Baker Chem. Co.	TPS 437	16,900 lbs.	Chloroform, technical, avail. from Dow Chem. Co. Midland, Michigan (UA 191/PSS - DMC-21)	\$3,167.30	Hoesler State B/L 12 98 June 11/1947
Robert Berry & Co. Ltd.		22,320 lbs.	Phosphoric acid, 85% USP, Syrupy. Not available from American Agri. Chem. Co. (UC-517) Merck	\$6,023.06	Cesar d'Almeida Victory B/L 1 Nov. 14/47
British Govt. Contract	PC 383	1,100 lbs.	Acid Phenylacetic	\$1,108.25	ERO shipment from United Kingdom

# SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY

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ON  
G. E. B. B-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
F. T. Baker Chem. Co.	TS 1070	300 lbs.	Sodium Hydroxide C. P. reagent, sticks UA-3041	\$99.00	Kellenic Star B/L 9 UN July 12/47
Robert Berry & Co. Ltd.		15.200	Sodium Hydroxide, technical flakes, 100# pkg. (UC-517)	\$3,061.11	Merchdale B/L 1 Dec. 28/47
F. V. R. Export Corp. N. Y. N. Y.	OP 3952	9 lbs.	Acid Sulphuric C. P. concentrated, C. P. OP	\$1.40	Tripport Apr. 11/47 B/L 16
Wilco Lab., Inc.	TS 1071	8x100 grams	Cystine L - Cystine UA-3041	\$74.80	Hoosier State B/L 4 UN June 11/47
Magran & Bell, Ltd.		2 1/2 lbs.	Trypsin 1.75 Pancreas substance	\$20.00	actor B/L 14 Dec. 12/47
Wilco Labs., Inc.	TS-1071	10 kilos	Pancreatic Extract (dried pancreas) UA-3041	\$242.00	Hoosier State B/L 4 UN June 11/47
Mallinkrodt Chem. Works	OP-3951	2 1/2 lbs.	Ferric Tartrate C. P.	\$6.68	Albion Victoria B/L #2 Dec. 14/46
Wilco Lab., Inc.	TS-1071	12 lbs.	Beef extract UA-3041	\$56.50	Hoosier State B/L 4 UN June 11/47
Robert & Berry & Co. Ltd.		1 7/8 lbs.	Clarase (Diastase) USP IX (UC-517)	\$10.55	Merchdale B/L 1 Dec. 29/47

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# SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY

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C.S.B. B-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
New Zealand Govt. Contract	UZ 3/6	2 long tons	Lactose B.P. Standard	\$704.00	Shipment made from New Zealand during Nov. 1946
V. Pulp & Paper Co.	TS-1069	700 lbs.	Kachar C 190 H UA-3041	\$297.90	Trimont B/L #4 June 27/47
T. Baker Chem. Co.	TS-1070	1,260 lbs.	Sodium Sulphate, anhydrous C.P. UA-3041	\$352.80	Cancelled
Cave & Co. Ltd.	217	700 lbs.	Glass wool, lead free and borax free, fine .0002 to .0003 in. Pyrex high stability. (UC-507)	\$1,275.46	Cotton State B/L 6-4 Dec. 28/47
Czechoslovakian Govt. Contract (K.R.O.) PC-354		4,719 tons	Sodium nitrate USP VIII 0.3%	\$2,806.91	Shipped from Prague July 14/47
Ingram & Bell, Ltd.	UC-517	5,200 lbs.	Calcium Carbonate	\$249.34	Actor B/L 14 Dec. 2/47
P.M.R. Export Corp., N.Y.	OP-3952	40 ozs.	Acid, Para-aminobenzoic CP	\$42.25	Triport B/L 16 Apr. 21/47
Ingram & Bell, Ltd.		50 grams	Crystal Violet 85% Bacto (UC-517)	\$2.17	Actor B/L 14 Dec. 2/47
McCoo Lab., Inc.	TS-1071	50 lbs.	Agar, granular or shreds, USP (UA-3041)	\$302.50	Hoover State B/L UN 4 June 11/47
Ingram & Bell Ltd.		1,100 grams	Sodium thyeoglycolate (UC-517)	\$38.71	Actor B/L 14 Dec. 2/47

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## SHIPMENT OF PENICILLIN EQUIPMENT TO ITALY

GM

C.R.B. B-1758/UC-266

SHIPMENT	QUANTITY ORDERED	MATERIAL	PAY US		SHIPMENT
			Value		
G & Co. Ltd.	22 lbs.	Gasein powder	\$16.50		Canceled
	20 ozs.	Oil immersion cedarwood, USP reagent	7.00		"
	25 lbs.	Sodium hydrochloride solution USP	8.75		"
<u>Penicillin equipment</u>					
G & Co. Ltd.	2	Liquid air trap Pyrex, O.D. 2 3/8	\$42.20		Cotton State B/L 8 1/4 Dec. 28/47
	5 gal	Bearing lubricating oil. Pure paraffin oil Viscosity 100 - 125 SSU 100	\$2.50		Lone Star State B/L 8 UN May 17/47
Standard Oil Co. of N.J.	5 yds.	Plastic tubing (Vinylite) O.D. 1"	\$15.00		Canceled
	2 each	Controls, thermostats, 50° - 100° F. capacity 110 C.F. (UA-3059)	\$556.78		Heosler State B/L 7 UN June 11/47
Wholesale Instrument Co.	40	Belts, Sharples Super Centrifuge (OP-4D-719)	\$120.00		Kravis B/L 6 March 21/47
Sharples Corporation Philadelphia, Pa.	2 sets	P.M. meters, Lab. Model, Gamma Automat 4th accessories (UA-3024)	\$692.98		Lone Star State B/L 12 UN May 17/47
G & Co. Instrument Co., Inc.	6 each	Carbon rings. Replacements for 14x11 Ingersoll Rand Glass KS-1-ML Class 2 construction air compressors (UC-517)	\$139.53		Actor B/L 8 Dec. 2/47
Gardian Ingersoll Rand Co. Ltd.	1	Water distillation apparatus, 3 to 5 G.P.H. (UC-507)	\$297.29		Cotton State B/L 8-4 Dec. 28/47
G & Co. Ltd.	1470				

# SHIPMENTS OF PERIODICAL EQUIPMENT TO ITALY

PAGE 14

ON  
O.E.B. 2-1756/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
		5	Cylinder Freeon 12	\$100.00	Canceled
Fisher Scientific Co., Ltd.	1476	20 doz.	Pipettes, Serological 5 cc each, 1/10 graduation	\$110.46	Actor B/L 5 Dec. 2/47
Fisher Scientific Co., Ltd.	1476	15 each	Flasks, volumetric, 50 cc each ground glass (UC-507) taper, exact.	\$15.63	Actor B/L 5 Dec. 2/47
Cave & Co. Ltd.	1470	1	Pumps, oil, vacuum cameo, Ryvac-Vac. 1/4 h.p.	\$227.76	Cotton State B/L 24 Dec. 28/47
Cave & Co. Ltd.	1470	1	Pumps, oil vacuum cameo magn. Vac. loss/motor 220 V, 50 cycle (UC-507)		
Fisher Scientific Co., Ltd.	1476	1	Filters, pressure Seitz Biological 10 liter capacity each with 100 filter discs. (UC-507)	\$323.13	Actor B/L 45 Dec. 2/47
Canadian Lab. Supplies Ltd.	1477	1	Counters, Quebec Colong Cameo, MM scale (UC 507)	\$41.24	Hent Clair B/L 26 Oct. 29/47
		4	Platinum, loop	\$6.00	Canceled
Fisher Scientific Co., Ltd.	1476	300 ft.	Tubing, rubber, heavy, wall, 1/4" exterior UC507	\$40.28	Actor B/L 45 Dec. 2/47
Canadian Lab. Supplies, Ltd.	1477	6 each	Funnels, Separatory, 6000 cc. stoppered globe (UC-507)	\$64.53	Marchdale B/L 3 Dec. 29/47
Cave & Co. Ltd.	1470	6 each	Funnel, Buchner, porcelain (not jacketed)	\$77.71	Cotton State B/L 24 Dec. 28/47

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SHIPMENTS OF FINIGILLIN EQUIPMENT TO ITALY

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ON  
C.E.B. B-1758 UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	Value	SHIPMENT
Fisher Scientific Co. Ltd.	1476	1	Oven, single wall 280 V. 50 c - AC (95005 A) VI Detektinsky Regulator (UC-507)	\$100.69	Aster B/L 5 Dec. 2/47
Robert Berry & Co. Ltd.	1507	5,071 5/6	Amyl Acetate (UC 516)	\$8,829.41	Mont Clair B/L 65 Oct. 29/47 2,261 gals. Aster B/L 6 Dec. 2/47 2,790 1/3 gals.
Robert Berry & Co. Ltd.	2222	2,267 gals app.	Amyl acetate (UC 603)	\$,413.54	Not yet delivered
Sharples Corp.	MISC 5743	10 gal.	Sharples Centrifuge Spare Parts & Supplies for the #16P Centrifuge (NWD 779 ft. 8)		GRIGORIUS C III B/L 4 UN Nov 3/47
		10 lb.	Bearing oil	\$12.00	
		2 doz.	Evansstone Grease	12.00	
		24 each	King turn gaskets #155	2.40	
		24 doz.	Devil Boss sleeves (normal) #40	79.20	
		6 each	Devil Bottom Gaskets #154	6.00	
		36 each	Devil protecting caps #153	5.40	
		1 each	Three wing springs stainless steel #576	9.00	
		36 doz	Brags, complete, stainless steel #576	228.00	
		1 each	Bushings #43	18.00	
		1 each	Drag springs #48 (stainless steel) *	3.00	
		4 each	Feed Nozzle - stainless steel, #554 *	28.80	
		24 doz.	Feed Nozzle - gaskets #555	1.40	
		4 each	Ferrule cap - stainless steel #413	76.00	
		2 each	Ferrule body - stainless steel #414	66.00	
		48 doz.	Ballet catches #561	2.40	
		2 each	Brake assembly complete, Type J, #527	16.80	
		2 each	Bearing complete - #2 bearing #527	90.00	
		2 each	Bearing sleeves #67	14.40	
		2 each	Sleeve nuts #68	1.80	
		4 each	Female clutch #70	12.00	

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NEXT PAGE

SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY

PAGE 16

ON

G.E.B. B-1756/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	Value	US	SHIPMENT
		12 each	Flexible coupling #75	\$3.60		
		2 each	Bearing washers #239	.60		
		12 each	Ball bearings #245	28.80		
		12 doz.	Bearing oil filters #721	.30		
		4 each	Male clutch #71	7.20		
		12 doz.	Spindles, chrome plated, #72 (DPND 779 Pt. 8)	115.20		
		4 each	Spindle screws #74	3.60		
		1 "	Idler Assembly complete	33.00		
		6 each	Idler Ball bearings #303	14.40		
		12 each	Belt, chart #77	36.00		
		16 each	Gereralid lamps, 0-1538, 18", (DPND 779 Pt. 7)	52.92		not yet delivered
			15 watt			

International General Electric Co. MISC #757

Taylor Instrument Co.	MISC #740	121HN223 1 each	Taylor fallescope recording temperature controller, black case, face mounted bottom connected, 24 hour spring wound clock; reverse action; adjustable sensitivity; 12" chart. CP #538, Range 0 -120°0, over range protection, D; each tube system 20 ft. mercury actuated capillary; 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel 33" long including bulb; 18/8 stainless union connection including 3/4" thread hub nut; for full immersion; 100 charts, ink, etc., with all accessories, complete. (DPND 779 Pt. 6)	\$498.10		NOOSIER STATE B/L 1 UN Dec. 20/47
		1 each	121HN223 Same as item 1, except each tube system 10' and 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel, 22 3/4" including bulb. (DPND 779 Pt. 6)	478.90		
		3 each	419323 1/4" reducing valves (DPND 779 Pt 6)	21.00		
		1 each	121HN123 Same as item 1, except 1 pen and 1 control system; 10' mercury actuated bulb; 18/8 stainless steel bulb with rigid extension of 18/8 stainless steel, 22 3/4" long including bulb. (DPND 779 Pt. 6)	254.95		

CONTINUED

SHIPMENT OF FERRICILIN EQUIPMENT TO ITALY

PAGE 17

ON  
C.A.B. 2-1755/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Taylor Instrument Co.	MISC 8740	3 each	R09817 Air Filter, (DPND 779 Pt. 6)	\$19.50	HONDURAS VICTORY B/L 1 Nov. 29/47
		3 each	5 VC225 Taylor 1 inch Diaphragm valve standard construction. (DPND 779 Pt. 6)	\$112.50	
		2 each	6VC226 Taylor 2 inch Diaphragm valve, standard construction. (DPND 779 Pt. 6)	\$146.00	
Parmenter Rubber Co.	MISC 8814	1 each	Batching Tanks, to be of carbon steel 3/16" plate, circular - 46" diameter, 60" high. To be mounted on 3/8" legs with threaded feet plates for leveling. (DPND 779 Pt. 5)	\$580.00	
		2 each	Air Filters (for Fermenters) Carbon steel 16" x 5'5" overall. Bottom 12" to be conical to 3/4" outlet equipped with globe valve, top to be flanged and removable - vessel to be constructed of 16" standard pipe and tested to 15 p.s.i. - a 16" perforated plate to be installed at base of pipe for vent support and 16" perforated plate supported by flanged top to extend inside of pipe 12". Two 2" nipples to be welded to vessel diametrically opposite about 6" from top. 2" inlet placed just below bottom perforated plate; per blueprint attached. (DPND 779 Pt. 5)		
		3 each	Air filters (for seed vessels) carbon steel 6"x3' overall. Lower 5" to be conical to 1 1/2" outlet equipped with globe valve. Same specifications as above in proportionate dimensions. Outlets to be 1". See blue print attached. (DPND 779 Pt. 5)		

## SHIPMENTS OF FUELCELLIN EQUIPMENT TO ITALY

ON

C.A.B. 2-1756/VE-266

CONTRACTOR	Serial No.	QUANTITY ORDERED	MATERIAL	FAS US Value	SHIPMENT
Fischer & Porter Co.	MISC 8741	2 each	<p>Master enclosed floater to have the following specifications: METERING INSTRUMENT: Figure #736, meter size 11; connection size 3/4" connection type &amp; rating; flanged flat face; material of fitting: Bronze; float guide: Patented "Dead Guide" tube with 3 raised glass ribs to center and to guide the float; packing: Neoprene; connections to face: Inlet-left, outlet right, unless otherwise specified; Panel mounting fittings: none; metering tube: B11A25, headed, 250 mm. scale; type of scale &amp; units: direct reading; float specifications: B6011-1 of stainless steel. FLUID SPECIFICATIONS: Fluid: Air; Color &amp; Transparency: Transparent; Specific Gravity: 1.00; Operating Pressure: Atmospheric; Operating Temperature: 70°F. FLOW RANGE: Maximum flow 200 GPM; Minimum Flow: 25GPM. To include outline drawings and pressure correction curves. (BPM 779 Pt. 4)</p>	\$442.00	<p>PRACHTER STATION B/L 3 ON Oct 7/47</p>
		3 each	<p>Master Enclosed Floaters to have the following specifications: METERING INSTRUMENT: Figure #735; Meter size 6; connection size 3/4"; connection type &amp; rating: screwed; Material of Fitting: Brass; Float Guide: Patented "Dead Guide" tube with 3 raised glass ribs to center and to guide the float; Packing: Neoprene; Connections to Face: Inlet-left, Outlet-right, unless otherwise specified; Panel Mounting Fittings: None; metering tube: B6A25, headed, 250 mm. scale; type of scale &amp; units: direct reading; float specifications: B6-62 of stainless steel. FLUID SPECIFICATIONS: Fluid: Air; Color &amp; Transparency: transparent; specific gravity 1.00; operating temperature: 70°F FLOW RANGE: Maximum flow: 200GPM; Minimum flow 1.4 GPM. To include outline drawings and pressure correction curves. (BPM 779 Pt. 4)</p>	\$196.80	

# SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY

0. B. B. 2-1755/00-265

CONTRACTOR	SERIAL No.	Quantity Ordered	MATERIAL	Value	SHIPMENT
Ancon-Mellon Regulator Co.	MISC 5738	2 each	2" #516 Back Pressure Regulators, cast iron body, flanged ends, FWD 2504 Ex. By. Standard #304 18/8 Stainless Steel trim. Grease sealed lubricator, #1 gress #7 case, adjustable range 6-20 PSI, controlling air 0-200 CFM. (BWD 779 Pt. 3)	\$492.00	HOOSIER STATE B/L 1 UN Dec. 20/47
		3 each	1/2" #516 Back Pressure Regulators, Cast Iron body, screwed ends, #304 18/8 Stainless Steel trim, Grease sealed lubricator, #1 grease #9 case. Adjustable range 2-7 PSI valve open above 5 PSI, controlling air 0-25 CFM. (BWD 779 Pt. 3)		
Robert B. Shaw Co.	MISC 5737	1 each 6 each	Standard Army Cap Dispensers (BWD 779 Pt. 2) 24" Stainless steel Magazine tubes, 7/16" O.D., 0.032" wall thickness. (BWD 779 Pt. 2)	\$90.00 12.90	Grigoriens G 116 B/L 1 UN Nov 3/47
Brierson Serrv Machine Co.	MISC 5739	2,500 each	Stainless steel Penicillinizers, .3125 O.D., .242 I.D., .400 length (BWD 779 Pt. 1)	125.00	Patres J. Seal-Adress B/L Sept. 10/47
Robert Perry & Co. Ltd.		1,000 lbs.	Tergitol (Emulsion breaker) in drums suitable for export. (UC-561)	527.45	HOOSIER STATE B/L 1 UN DEC. 18/47
Fischer Scientific Co. Ltd.		1 each	Salts: Filters, size 100 ul. (UC579)	21.65	ACTOR B/L 5 Dec. 2/47
Fischer Scientific Co. Ltd.		1 each	Constant Temperature water baths, type for Lab. assay work "Tress", size 160, 220 volt (UC-579)	171.15	MARGDALE B/L 4 Dec. 29/47

# SHIPMENTS OF PENICILLIN EQUIPMENT TO ITALY

CM

U.S.B. 3-1784/00-266

CONTRACT	Serial No.	Quantity Ordered	MATERIAL	Value	SHIPMENT
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Fischer Scientific Co. Ltd. 1 each Lab Freeze-dry set-ups as per sketch provided Fischer Scientific Co. by Merck. To include manifold connecting flasks and 2 traps/set. (UC-579) \$122.76 Actor 3/L 5 Dec. 2/47

Fischer Scientific Co. Ltd. 1 each Barnstead stills, capacity 10 OZM, steam heated (UC-579) \$332.29 Not yet shipped UN 6295

Ideal Supply Co. Item No. 1 210 ft. 4" Black Pipe, threaded and coupled 9.12  
 2 315 ft. 1" " " " " 18.17  
 3 252 ft. 3/4" " " " " 16.60  
 4 168 ft. 3/4" Galv. pipe " " 16.03  
 5 420 ft. 1" " " " " 56.52  
 6 105 ft. 1 1/2" Black pipe " " 14.60  
 7 126 ft. 1 1/2" Galv. pipe " " 22.77  
 8 63 ft. 1 1/2" Black pipe, plain ends 45.08  
 9 84 ft. 8" x 25 lbs. black pipe, plain ends 142.48  
 10 19 ft. 12" x 50 lbs. " " 66.86

Ideal Supply Co. Item No. 3 248 ft. 3/4" Black pipe, threaded and coupled 18.30  
 4 600 ft. 1" " " " " 62.28  
 5 1,180 ft. 1" Galv. pipe " " 156.84  
 6 750 ft. 1" stainless steel No. 304 Pipe, seamless 1,470.75  
 7 600 ft. 2" Galv. pipe, threaded and coupled 171.66  
 8 300 ft. 2" stainless steel No. 304 pipe, seamless 1,098.00  
 9 100 ft. 3" Black pipe, plain ends 44.61  
 10 237 ft. 4" Black pipe, plain ends 162.85  
 11 300 ft. 6" " " 292.99  
 12 116 ft. 8" x 25 lbs. black pipe, plain ends 271.38

CRANE & Co. Ltd. UC-413 Item No. 7 762' 10" 1" stainless steel tubing type 304 1,285.01  
 8 317' 10" 2" " " 966.36 Actor 3/L 3 Dec. 2/47

" " " Item 18-61 Balance of piping & fittings 5,653.03 Not yet delivered 20



SHIPMENTS OF PESTICIDE EQUIPMENT TO CZECHOSLOVAKIA

PAGE 1

C.E.B. B-1758/UC-366

COMMITTEE	Serial No.	Quantity Ordered	MATERIAL	FAS HS Value	SHIPMENT
Canadian Ingersoll Rand Co. Ltd.	AI-2959	1	14x11 Canadian Ingersoll Rand Class ES 1 EL Class 2 construction air compressors complete with accessories (price inclusive): Filter, air inlet ) These two items not included in original shipment Snubbers, Intake ) on Marchdale but were shipped later on the SHIPMENT B/L 25 Nov. 14/47 Receiver, air, 42" x 10" After Coolers, 58 MM-2, with Safety Valves Motor, 60 H.P., 330/220V, 3 phase, 50 cycle Compressors, starting, for above 60 H.P. motor 14x7 Canadian Ingersoll Class ES 1 pump and accessories (price inclusive): Motor, 20 H.P. 380/220 V. 3 phase, 50 cycle including starting compensators Wagon, sliding, for above motor.	\$8,908.65	MARCHDALE B/L 35 May 21, 1947
Canadian Vestinghouse Co. Ltd.	AI-3011 PA-1	2	15 H.P., 3 phase, 50 cycles, 1500 RPM, 380/220 volt 40°C rise, protected type R.S. Squirrel cage induction motors with normal starting torque and low starting current and 10 only bases for motors complete with starters.	\$496.04	TRIMONT B/L 37 Sept. 7/47
Leland Electric Canada Ltd.	AI-3012 PA-1	3	Motors, 3/4 or 1 H.P. 380/220 V. 3 phase, 50 cycle	\$122.00	MARCHDALE B/L 34 May 8/47
The Smart Turner Machine Co. Ltd.	AI-3013 PA-1	1	1 1/2 LEM side suction centrifugal pump, standard fitted with open type iron impeller, ball bearings, direct connected to 1 1/2 H.P., 3 phase, 50 cycle, 220/380 volts, 1500 RPM standard impregnated protected type motor, together with manual starting switch having thermal overload protection	\$157.77	MARCHDALE B/L 34 May 21/47

## SHIPMENT OF MEDICINE EQUIPMENT TO CZECHOSLOVAKIA

PAGE 2

C.F.A. B-1753/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FLS US Value	SHIPMENT
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Canadian Fairbanks Morse Co. AI-3014 2 Fairbanks-Morse 1 $\frac{1}{2}$ " Figure 5531, all iron centrifugal pumps mounted on base and direct connected through flexible coupling to and including an electric tamper & cravatment company 3 h.p. 3 phase, 50 cycle, 380/220 volts, 1500 RPM., 50 $\phi$  C rise, standard protected type electric motor. BPSIDE B/L #21 July 3/47

\$833.96

AI-3014 1

Fairbanks-Morse 1", Figure 5531, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Tamper & Equipment Co. 1 $\frac{1}{2}$  h.p. 3 phase, 50 cycle, 380/220 volt, 1500 RPM, 50 $\phi$  C rise, standard protected type electric motor.

Kaylor Instrument Companies  
of Canada, Ltd.

AI-3015  
PA-1

1

Thermometer, Instrument Recording, #76M223  
Taylor, 2 pen record, with left and right tube system, 20 ft. leads, with a 33" rigid 18-835 stem and union connection assembly. Range of instrument, 0-225 $\phi$ F., with over-range protection D chart No. QP-136.  
Thermometer, recording, 2 pen, chart (same as above except for 10' leads & 22 3/4" stem).  
Thermometer, recording, 1 pen, (same as above except for 10' leads & 22 3/4" stem).

\$654.85

MARCH 21/47  
Nov. 27/46

Belmore &amp; Williams Ltd.

AI-3016  
PA-1

2

Type "YE" agitators having  $\frac{1}{4}$  h.p., 380/220 volt 3 phase, 50 cycle, 1500 RPM open protected motors stainless steel shaft, and propeller for use in tank 45" dia. x 4 ft. deep.

\$128.36

MARCH 21/47  
May 21/47

Gordon Iron Works, Ltd.

AI-3055  
PA-1

2

Tanks, 7' x 15'  
Tanks, 40" dia. x 3' 2 5/8" plain steel complete with reducer motor coupling and slow coupling 90 RPM

\$6,905.02

MARCH 21/47  
B/L #26  
May 21/47

# SHIPMENT OF PENICILLIN EQUIPMENT TO CZECHOSLOVAKIA

ON  
C.A.B. B-1755/UD-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAV US Value	SHIPMENT
General American Transportation Corp.	273-2733	2	Turbo-mixers, impellers, quadruplex; for agitation without motor. (UA 1687)	\$1,887.60	AMERICAN FARMER B/L UN 6 May 23/47
Anti-Biotics, USDA, Food & Drug		1	Samples pure penicillin G crystal form 1667		Turned over to trainees
		1	Samples pure penicillin K crystal form 85% (non-standard)		
Anti-Biotics, USDA, Food & Drug (cont'd)		1	Samples standard streptococcus aureus 203P		Turned over to trainees
		1	Samples Bacillus subtilis 6D POL-220		
Northern Regional Research Lab.		1	Samples penicillin chrysogenum 1984 H22		Turned over to trainees
		1	Samples penicillin notatatus 832		
		1	Samples bacillus brevis Dabos 1541		
		1	Samples DEXL 1612		
Madison Wisconsin		1	Samples L-1612 in soil		Turned over to trainees
		1	Samples culture B		
		1	Samples culture Q176		
Idell Boiler Ltd.	AI-3017	1	60" dia. by 15'-0" long storage tanks welded construction made of 3/16" steel plate in shell 1/4" flatheads. With 16" belted manhole four 2" aced outlets and two 1/2" in each head. Painted two shop coats of paint outside only. all outlets to be plugged for shipping.	\$270.85	Mont Caspe Jan. 4/47 B/L #3
Toronto Coppersmithing Co. Ltd.	AI-4056 PA-2	1	50 gal. SS covered tanks with Conical bottom & SS cooling coil	474.46	Marchdale This tank shipped without B/L # agitator & thermometer. Oct. 31/46
			The agitator & thermometer for above tank was shipped with 350 gal. tanks Contract AI 3107		Marchdale B/L #50 May 21/47

SHIPMENTS OF PENICILLIN EQUIPMENT TO CZECHOSLOVAKIA  
ON  
C.R.B. B-1758/VC-266

PAGE 4

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Toronto Coppermithing Co., Ltd.	AL-3056 PA-2	120	Trays (aluminum or copper construction) with individual compartments like egg crates for holding vials during freezing and drying.	1,443.92 \$7,547.57 May-25/46 Sept. 46	MARCHDALE B/L #8 Oct. 31/46
Taylor Instrument Co.	AL-3058 PA-2	2	Single Pen Taylor recording thermometers chart No. CP 3502, range 0-100° F. 10' lead, 18-SSS accuratus tubing stem length 24" with one Trico Air filter and one air reducing valve #5 and one Taylor mono steel even action diaphragm valve.		
	AL-3058 PA-2	4	Single Pen Taylor recording thermometers chart No. CP 3502, range 0-100° F. 10' lead, 18-SSS accuratus tubing, stem length 20" with one Trico air filter and one air reducing valve #5 and one Taylor mono steel even action diaphragm valve.		
	PA-2	4	Taylor gauge thermometers	1,922.32	MARCHDALE B/L #2 May 8, 1947
Dominion Bridge Co., Ltd.	AL-3057	2	Autoclaves for steam sterilizing of penicillin vials, diameter 30", length 7'.	1,691.80	MARCHDALE B/L #5 27/Nov/46
Canadian Ice Machine Company	AL-3059	1	Canadian Ice Refrigerator Units (Compressor & Piping)	541.76	TRIPOUT B/L 23 Nov. 18/47
English Electric Co. of Canada Ltd.	AL-3060 PA-3	2	Squirrel Cage Motors, frame 326, 15A.P., 1500 RPM 220/380 volt, 3 phase, 50 cycle, 50 HPS. G. rise, continuous rated, protected type, with antifriction bearings and with sliding base but without pulley	448.26	MARCHDALE B/L #8 May 8/47
United Steel Co., Ltd.	AL30608	10	Belt drive, belt, Dodge V., for 15 h.p. motor, belt and pulley to fit on motor	180.53	Not yet shipped
		4	Shafts		DN 6135 Phenol Nov 11/47

SHIPMENTS OF PHYSICALLY EQUIPMENT TO CINCINNATI  
ON  
O.R.A. 2-1752/00-266

CONTRACTOR	Serial No.	QUANTITY ORDERED	MATERIAL	FAV US Value	SHIPMENT
Tremco Copper-smithing Co., Ltd.	AL-3107 PA-1	2	Can corn oil, 10 gal., complete with gauge and safety valve.	693.83	MARCHDALE B/L #20 May 21/47
		1	Tank, 350 U.S. gallon stainless steel with coil	570.27	
Ed. vian Agencies, Ltd.	AL-3018 PA-1	1	Tanks, closed, 200 U.S. gal. 12" IDx36" jacketed glass lined with 2" insulation and steel sheeting, with agitator and 3/4 h.p. explosion proof motor and drive.	3,712.27	MARCHDALE B/L #16 Mar. 3/47
		3	Tanks, SS, 400 U.S. gal. 16" IDx60" with agitator and 1 h.p. explosion proof motor	9,036.61	MARCHDALE B/L #18 May 21/47
	AL-3018 PA-1	1	Distillation Unit, glass lined, prefilter: consisting of 50 gallon glass lined kettle, prefilter #A-5149, 50 gallon glass lined receiver, prefilter #A-5149, and SS tubular condenser, prefilter #A-5149.	1,727.15	MARCHDALE B/L #16 March 3, 1947
		2	Tanks, mix, 50 U.S. gallon, glass lined, jacketed 24" IDx29" insulated, steel sheeting, with agitator and 1 h.p. explosion proof motor	3,168.52	MARCHDALE B/L #17 May 8/47
	AL-3018 PA-1	3	Tanks, buffer, 200 gallon, SS, 40" IDx38 5/8" with agitator and 3/4 h.p. explosion proof motor	6,429.37	MARCHDALE B/L #15 May 8/47
		1	Tanks, 100 U.S. gallon, glass lined, jacketed, insulated and steel sheeting with agitator, baffle and 3/4 h.p. explosion proof motor	1,824.01	MARCHDALE B/L #13 May 8/47
Vidling Corp., Ltd.	AL-3019 PA-2	2	Tanks, 50 U.S. gallon, glass lined	3,283.60	MARCHDALE B/L #29 July 26/47
		4	Sharples 16" Super centrifuge Vapour tight model premarite belt drive with explosion-proof motors	16,919.34	MARCHDALE B/L #27 May 21/47
		1	6 separating bowls, 1 clarifying bowl, all SS Sharples laboratory model centrifuge direct drive SS bowls, 1 clarifying, 2 separating		

\* VALUE FOR 200 CAL. TANK SHIPPED "MA" MADE 1/2 48 MAY 8 1947

# SHIPMENTS OF PETROLEUM EQUIPMENT TO OTTOMANLOVANIA

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C.E.B. 2-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	Value	SHIPMENT
Fischer & Porter Company	Al-3025	1	Broth Rotameters	429.39	MAKEDONIA 2/L 13
		1	Acetate Rotameters		This shipment was considered lost in Trieste off-loading but has since been located Nov. 15/47 in Venice & will be forwarded to Czechoslovakia
		1	Phosphoric Acid Rotameters		
		1	Rotameters for water		
Coyle, J.P. Devine Mfg. Co.	Al-3024	5	Special No. 1A Devine Vacuum Chamber driers, each cabinet to have 5 or 6 shelves.	4,586.09	MARCHCAPS 2/L #35 May 8/47
Union, R.K. Porter Co., Inc.	PA-2				MARCHDALE 2/L #47 May 21/47
Canadian Laboratory Supply	Al-3020	1	International size 2 oil testing centrifuge with 267 A mixer head	512.10	Most Gase 2/L #46 Jan 4/47
		2	Model NO SS 50-10 Brewer sediment pipetting machines	360.87	AMERICAN FARMER 2/L UN-15 May 24/47
F.S.B. Howard & Co. Ltd.	Al-3022	1	Elliot four-stage steam with intercondenser operating 115 lb. steam pressure	5,050.07	
	PA-2	1	Elliot three-stage steam ejector for use in starting operations.		
John Inglis Co., Ltd.	Al-3109	1	Pump, set, consisting of:	2,872.00	TRIMONT 2/L #6 Sept. 7/47
	PA-3	1	Acetate pump		
		1	Broth pump		
		2	Strong acetate transfer pumps		
		1	Spent acetate transfer pump		
		1	Wash tanks & solvent filling pumps		
		1	Chloroform pumps		
		1	Spare pumps		
			(10 gpm 25-30 ft. head gear pumps, 3/4 h.p. motors explosion proof SS gears, cast steel casings or equivalent		
Al-3109		1	Acid pump gear pump, 10 gpm., 30' head, hard rubber 3/4 h.p. explosion-proof		
PA-3					
Canadian Ingersoll Rand Co., Ltd.	Al-2958	1	4 ft. diameter by 2 ft. face Bird Young Universal filters all in accordance with proposal M-9913 exp. 1773 of March 7.	7,258.40	MAKEDONIA 2/L #6 27 Nov/46
	PA-3				



# SHIPMENTS OF REFRIGERATION EQUIPMENT TO CZECHOSLOVAKIA

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C.B.B. B-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	UNIT US Value	SHIPMENT
Richardson Agencies, Ltd.	AI-3045 PA-4	3	66x66" vertical Pfandler glass-lined steel storage tanks furnished with 2" of cork insulation completely covered with a 3/16" earhole and supporting legs, 2-3" openings and 1-2" openings.	\$5,566.97	MAKEDONIA B/L #6 Nov. 27/46
	AI-3045 PA-4	1	Pfandler heat exchanger, (fixed tube sheet type as on pages 8 and 9 Pfandler condenser manual and plain carbon steel on the shell side and No. 877 type 304 stainless on the tube side. Dimensions 3' for both 2" flanged, for coolant circulation 3" flanged. Tubes are type 304 stainless 66 1/4" OD 18 gauge 12' 0" long. SS tube sheets 3/4" thick design pressure 75 lbs. 1 sq. in. both shell and tube sides.	1,740.58	MALCHESPE B/L #43 May 8/47
Chester A. Olson Co. Washington	OP-3599	5	Pumps, 3 to 10 gpm, operating at a total working head of 20 feet, 1 1/4" - 4" electropump, fitted for 1-4" section and 1" discharge and powered by a 50 cycle, 220/440 volt, 2 pole electric motor.	\$16.00	AMERICAN FARMER B/L UN-3 May 19/47
L. & M. Industries & Trading Corp.	TS-1256	3	Cold storage unit complete. Each unit to be complete with two self-contained refrigerating units and each refrigerating unit to have individual compressor, 3 h.p., 3 phase, 220 volt, 50 or 60 cycle electric motor, air-cooled condenser, blower type water defrosting evaporator. Each storage compartment is to have two swinging doors, the cold storage box approx. dimensions: 12' 10" by 24' 4" by 7' 6", to be made up of sections. The refrigerating unit should be fully self contained and manufactured in such a way that it would be possible to use them singly or in pairs. Units should be controlled from an integral control panel. Total capacity approx. 2340 cubic ft. with spare parts. (UA 2855)	6,146.00	CHRISTOPHER GARDNER B/L 13 May 25/47 3 refrig. units 2 refrig. cab. Sammel Golt B/L LA-3 July 12/47 1 refrig. cab. AMERICAN MERCHANT B/L UN-1 June 23/47 1 set of spare parts AMERICAN MERCHANT B/L UN-3 May 31/47
John Anson Air Conditioning Co., Inc.	TS-1258	8	Refrigerating unit, self-contained, portable, complete with carrier compressor, 3 h.p. 220 volt, 50 or 60 cycle electric motor, air-cooled condenser, blower type water defrosting evaporator. B.T.U. capacity with Freon: 100 degree ambient at 25 degree refrigerant-19,000 B.T.U./hr. 100 degree ambient at 10 degree refrigerant 8,950 B.T.U./hr. unit furnished should be same unit used with storage box above, with spare parts. (UA-2855)	6,116.00	

CONTRACTOR	Serial No.	QUANTITY Ordered	MATERIAL	FAS US Value	SHIPMENT
F. J. Stokes Co.	OP-3492	5	Vacuum gauge, McLeod	700.00	AMERICAN SCOUT B/L UN-15 Jan 18/47
The West Co., Phila. Pa.	TFS-5355 PAA 2561	1,000,000	Stoppers, soft rubber, to fit 20 cc penicillin bottles; #87 rubber stock composition, paraaffined; to be stopper S-29. (UA-191/P91-LK3-6)	\$4,235.00	REVEREND VICTORY B/L UN-MO July 18/47
West Co. Phoenixville, Pa. (A. J. Jackson Agencies)	612	1	Machine, capping, seal-automatic with $\frac{1}{2}$ h.p. 60 cycle, 110/220 volt, AC motor; turret type Westoppper de-signed to cap & crimp 20 mm size, triple seal aluminum caps of penicillin bottles, at the rate of 60 to 100 per minute. (UG 364)	B/L UN-46 Dec. 2/47	ACTOR
		500,000 500,000	Single Seal Aluminum Caps Triple Seal Aluminum Caps - not yet shipped UN-5062	\$4,720.17	
Aluminum Co. of America	TFS 5465 PAA 2222	1,102,000 ea.	Closures, aluminum; 20 mm. size fitting No. S-29 rubber stopper for penicillin bottles 3 piece con-bination stopper, Aluminum Co. of America No. 20-120. (UA-191/P91-LK3-6)	5,030.63	TITAN B/L UN-47 Apr. 25/47
Wharton Glass Co.	TFS 5123 PAA 2171	6,954 gross	Vial, glass, bor-silicate, practical fill 20 cc fill to base of neck, 24 cc; O.D. 32mm; height 56mm I.D. of neck 12.5mm. To be USP type 1 glassware Model No. 5-205. (UA-191/P91-LK3-5)	23,225.11	TITAN B/L UN 5 Apr 25/47
Gc Products Refining Co.	TFS 542 PAA 2210	74,517 lbs.	Steep water. Available from Gern Products Refining Co. 17, Battery Place, N.Y. (UA-191/P88 - MAC-21, 190 tons)	3,291.03	TITAN B/L UN-48 Apr. 25/47
		38 short tons	Same as above.	2,776.00	Cancelled
Mallinckrodt Chem. Works	TFS 6026 PAA 2228	825 lbs.	Potassium dihydrogen phosphate (monobasic) Available from Mallinckrodt Chem. Works, St. Louis, Mo. (UA-191/P88 - MAC-21)	326.70	TITAN B/L UN-44 April 25/47
Western Condensing Co.	TFS 6176 PAA 2027	117,800 lbs.	Lactose (milk sugar) Commercial grade in 100 lb. drums (UA-191/P88-DAC-24)	23,972.30	AMERICAN SCOUT B/L UN-2 Mar 22/47
Aft & Company	TFS 6312	11,509 lbs.	Penicillin defoaming agent (UA-2768)	\$4,980.77	AMERICAN VETERAN B/L UN-49 Apr 19/47

SHIPMENTS OF PASSENGER EQUIPMENT TO CZECHOSLOVAKIA

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O.E.B. B-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	Value	SHIPMENT
PAA'd Out of Toledo	22A 2046	200 lbs.	Phenol, USP, fused (acid carbolic)	\$3.14	VILANOVA VICTORY
		200 lbs.	Magnesium sulphate crystal	33.00	B/L UN-9
J.T. Baker Chem. Co.	TPS 437 PAA 2477	16,900 lbs.	Chloroform, technical, avail. from Dow Chem. Co. Midland, Michigan (UA 191/PSS D42-21)	3,160.30	April 3/47 AMERICAN VETERAN B/L UN-3 June 14/47
Art Berry & Co. Ltd.		22,140 lbs.	Phosphoric Acid, 85% USP, syrupy. Not available from American Agri. Chem. Co. (UC-517) Merck An additional 180 lbs. value \$8.57 was short-shipped from the American Mercant and will be shipped later if located.	6,229.95	AMERICAN MERCHANT P/L UN 1 Nov. 12/47
British Govt. Contract	PC 353	1,000 lbs.	Acid Phenylacetic	1,108.25	E.R.O. shipment from United Kingdom FISHER WAVE B/L UN-7 July 12/47
J.T. Baker Chem. Co.	TS 1070	300 lbs.	Sodium Hydroxide C.P. reagent, sticks, WA3041	99.00	MORT HOLLAND B/L 9 Dec. 25/47
Robert Berry & Co. Ltd.		15,200 lbs.	Sodium Hydroxide, technical flakes, 100# bags. (UC-537)	3,061.11	AMERICAN VETERAN B/L UN-43 Apr. 19/47 AMERICAN LEADER B/L UN-3 May 3/47
P.W.R. Export Corp. B.Y. M. Y.	OP-3952	9 lbs.	Acid Sulphuric C.P. concentrated, C.P. OP	1.40	ACTOR B/L 1 Dec. 2/47
Bifco Lab., Inc.	TS-1071	8200 grams	Cystine L - Cystin - UA-3041	74.80	AMERICAN LEADER B/L UN-3 May 3/47
Ingram & Bell, Ltd.		24 lbs.	Trypsin 1.75 pancreas substance	20.00	AMERICAN LEADER B/L UN-3 May 3/47
Bifco Labs., Inc.	TS-1071	10 kilo	Pancreatic Extract (dried pancreas) UA-3041	\$42.00	AMERICAN MERCHANT B/L UN-16 May 3/47
Mallinkrodt Chem. Works	OP-7951	24 lbs.	Ferric Tartrate C.P.	6.68	

Approved For Release 2002/07/24 : CIA-RDP80-00926A003700020008-3

# SHIPMENTS OF PHISICALLY EQUIPMENT TO CHERNOBYL

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C.I.B. 2-1753/UC-46

Contractor	Serial No.	Quantity Ordered	MATERIAL	IAS US Value	SHIPMENT
Difco Lab., Inc.	TS-1071	12 lbs.	Beef extract UA-3041	\$56.50	AMERICAN LEADER B/L UA-3 May 31/47
Robert Berry & Co. Ltd.		1 lb.	Glass (Dianose) USP IX (UC-517)	5.27	MONT ROLLAND B/L 9 Dec. 25/47
Zealand Govt. Contract	UZ 3/6	2 long tons	Lactose A.P. standard	704.00	Shipment made from New Zealand during Nov 46
V. Va. Pulp & Paper Co.	TS-1069	650 lbs.	Machar 0 190 M UA-3041	193.05	AMERICAN MERCHANT B/L UA-12 June 23/47
J.F. Baker Chem. Co.	TS-1070	1,260 lbs.	Sodium sulphate, anhydrous C.P. UA-3041	352.80	cancelled
Cerro & Co. Ltd.	217	600 lbs.	Glass wool, lead free and borax free, fine .0002 to .0003 in. Pyrex high stability. (UC-507)	1,093.25	REFRAIN MERCHANT B/L 5 Dec. 1/47
Ingram & Bell, Ltd.	UC-517	5,200 lbs.	Calcium Carbonate	249.34	ACTOR B/L 1 Dec. 2/47
P.V.B. Export Corp. N.Y.	OP-3952	40 oss.	Acid, Para-aminobenzoic GP	82.25	AMERICAN VETERAN B/L UR UA-43 April 19/47
Ingram & Bell, Ltd.		50 grams	Crystal Violet 655 Aceto (UC-517)	2.17	ACTOR B/L 1 Dec. 2/47
Difco Lab., Inc.	TS-1071	50 lbs.	Agar, granular or shredded, USP (UA-3041)	302.50	AMERICAN LEADER B/L UA-3 May 31/47
Ingram & Bell, Ltd.		1,100 grams	Sodium Thyroglycolate (UC-517)	35.71	ACTOR B/L 1 Dec. 2/47
		22 lbs.	Gasein powder	16.50	
		20 oss.	Oil immersion cedarwood, USP reagent	7.00	Cancelled
		25 lbs.	Sodium hypochlorite solution USP	8.75	

# STATEMENTS OF PERSONAL EQUIPMENT TO CZECHOSLOVAKIA

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ON  
G.S.R. 2-17 56/56-266

CONTRACTOR	Serial No.	QUANTITY Ordered	MATERIAL	EST. NO Value	SHIPMENT
Case & Co. Ltd.	1515	2 each	Liquid air trap Pyrex, O.D. 26 mm diameter of connecting tube - 20 mm (UC-517)	42.20	Not yet shipped UN 6061
Standard Oil Co. of N.J.	CP-3954	5 gal.	Bearing lubricating oil. Pure paraffin oil. Viscosity 100 - 125 SSU 100	2.50	REELS of the SEA B/L UN-24 May 3/47
		5 yds.	Plastic tubing (Vinyite) O.D. 1 1/16 inch wall 15.00		cancelled
Wheeler Instrument Co.	78-780	2 each	Controls, thermostat, 50° - 100° F. capacity 110 O.P. (UA-3099)	558.78	AMERICAN FARMER B/L UN-9 May 23/47
Sharples Corporation Philadelphia, Pa.	CP 3664	40 each	Bolts, Sharples Super centrifuge (CP-MB-719)	120.00	AMERICAN BAKER B/L UN-18 March 15/47
Gamm Instrument Co., Inc.	78-633	2 sets	P.H. meters, Lab. Model, vacuum entrance with accessories (UA-3024)	892.98	REELS OF THE SEA B/L UN-2 May 6/47
Canadian Ingersoll Rand Co. Ltd.		6 each	Carbon rings. Replacements for 14x11 Ingersoll Rand Class 25-1-UL Class 2 construction air compressors (UC-517)	139.53	TRIPORT B/L 2 Nov. 14/47
Gave & Co. Ltd.	1470	1 each	Water distillation apparatus, 3 to 5 G.P.H. (UC-507)	297.29	UN 5466 Not yet shipped
		5 each	Cylinder Pyrex 12	100.00	Cancelled
Fischer Scientific Co., Ltd.	1476 1476	20 doz. 14 each	Pipettes, Sacrological 5 on each 1/10 graduation Flasks, volumetric, 50 cc each ground glass (UC-507) taper, oral.	110.46 14.59	TRIPORT B/L 22 Nov. 14/47
Gave & Co. Ltd.	1470	1 each	Pumps, oil, vacuum canno, Kymo-Vac, 1/2 h.p. motor, 220 V. 50 cycle (UC 507)	227.76	Not yet shipped UN 6155
	1470	1 each	Pumps, oil vacuum canno nega, vac, loss/motor 220 V. 50 cycle (UC-507)		

## SHIPMENTS OF FARMACHILIN EQUIPMENT TO CANNADAWALLA

OF

C.B.B. B-1752/00-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	EST. US Value	SHIPMENT
Fisher Scientific Co., Ltd.	1476	1	Filters, pressure Seitz Biological 10 liter capacity each with 100 filter discs. (90-507)	323.13	TRIPORT B/L 22 Rev. 14/47
Canadian Lab. Supplies Ltd.	1477	1	Counters, Quebec Ology Cenco, MM scale (90 507)	42.24	TRIPORT B/L 9 Rev. 14/47
		4	Platinum, loop	6.00	
Fisher Scientific Co., Ltd.	1476	300 ft.	tubing, rubber, heavy, wall, 1/2" exterior	40.28	TRIPORT B/L 22 Rev. 14/47
			90 507		
Canadian Lab. Supplies, Ltd.	1477	6	Funnels, Separatory, 6000 cc. stoppered globe	84.53	TRIPORT B/L 11 Rev. 14/47
					Dec. 25/47
Gave & Co. Ltd.	1470	6	Funnel, Buchner, Porcelain (not jacketed)	78.71	TRIPORT B/L 22 Rev. 14/47
Fisher Scientific Co. Ltd.	1476	1	Oven, single wall 220 V. 50 C - 1A (95005 A)	100.69	TRIPORT B/L 10 Sept. 7/47
			VI Dekatinsky Regulator (90-507)		
Robert Barry & Co. Ltd.	1507	5,186 1/6 gal	Anyl Acetate (90 516)	16,987.29 4,577 1/6 gal. 2,260.19 609 gal	PIONEER COVE B/L UN 1 Rev. 6/47
ert Barry & Co. Ltd.	2222	2,267 gals app.	Anyl Acetate (90 603)	8,483.54	TRIPORT B/L 22 Rev. 14/47
Sharples Corporation		10 gal.	Sharples centrifuge spare parts & supplies for the #16 P centrifuge. Bearing oil (HARD 779 Pt.5)	12.00	
		10 lb.	Revanstone grease	12.00	
		2 doz.	Ring Ben gaskets #155	2.40	
		24 each	Devil Boss Sleeves (donal) #40	79.20	
		24 doz.	Devil bottom gaskets #154	6.00	
		6 each	Devil protecting caps #325	5.40	
		36 each	Three wing springs stainless steel #576	9.00	
		1 each	Drum, complete, stainless steel	228.00	
		36 doz	Brushings #43	18.00	
		1 each	Drug Springs #46 (stainless steel)	3.00	
		4 each	Feed nozzle - stainless steel. #354	28.80	
		24 doz.	Feed nozzle - gaskets #355	1.40	



## SHIPMENTS OF PENICILLIN EQUIPMENT TO CZECHOSLOVAKIA

C.B.D. D-1756/UC-266

CONTRACTOR	SERIAL No.	Quantity Ordered	MATERIAL	U.S. Value	SHIPMENT
Sharples Corporation	MISC-5743	4 each	Female cap - stainless steel #413	76.00	AMERICAN SHIPPER
		2 each	Female body - stainless steel #414	66.00	B/L UN-3
		46 doz.	Ballast catches #561	2.40	Oct. 21/47
		2 each	Brake assembly complete, type 3 #327	16.80	
		2 each	Bearing complete - #2 bearing	90.00	
		2 each	Bearing sleeves #67	14.40	
		2 each	Styro nuts #68	1.80	
		4 each	Female clutch #70	12.00	
		12 each	Flexible coupling #75	3.60	
		2 each	Bearing washers #239	.60	
		12 each	Ball bearings #245	26.80	
		12 doz.	Bearing oil filters #721	.30	
		4 each	Male clutch #71	7.20	
		12 doz.	Spindles, chrome plates, #72 (DPM 779 Pt. 6)	115.20	
		4 each	Spindle - screws #74	3.60	
		1 each	Idle Assembly complete	33.00	
		6 each	Idle ball bearings #303	14.40	
		12 each	Belt, chart #77	76.00	
International General Electric Co.	MISC 5757	80 each	Germetel Lamps, GC157S, 16", (DPM 779 Pt. 7)	52.92	not yet delivered
Taylor Instrument Co.	MISC-6740	121M223	Taylor Fall scope recording thermometer controller, black case, face mounted bottom connected, 24 hour spring wound clock; reverse action; adjustable sensitivity; 12" chart. OP 4538, range 0-120°C, over range protection, D; each tube system 20 ft. mercury actuated capillary; 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel 33" long including bulb; 18/8 stainless steel connection including 3/4" thread hub nut; for full immersion; 100 charts, ink, etc., with all accessories, complete. (DPM 779 Pt. 6)	498.10	
		1 each	121M223 Same as item 1, except each tube system 10" and 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel, 22 3/4" including bulb, (DPM 779 Pt. 6)	478.90	

CONTINUED

## SUPPLIERS OF PHILIPINE EQUIPMENT TO CZECHOSLOVAKIA

ON

O.L.B. 3-1755/00-266

CONTRACTOR		SERIAL NO.	QUANTITY ORDERED	MATERIAL	Value	SHIPMENT
Taylor Instrument Co.						AMERICAN BANKER B/I UN-1 Dec. 11/47
			1 each	Same as item 1, except 1 pen and 1 control system; 10' mercury actuated tubing; 12/8 stainless steel bulb with rigid extension of 18/8 stainless steel. 22 3/4" long including bulb. (DPMD 779 Pt. 6)	254.95	
			1218-123	41523 1/4" reducing valves (DPMD 779 Pt. 6)	21.00	
			3 each	259517 Air filter. (DPMD 779 Pt. 6)	19.50	
			3 each	5 10225 Taylor 1 inch diaphragm valve, standard construction. (DPMD 779 Pt. 6)	112.50	
			2 each	0V0226 Taylor 2 inch diaphragm valve, standard construction. (DPMD 779 Pt. 6)	146.00	
Paramount Rubber Co.		MISC 8814	1 each	Batching tanks, to be of carbon steel 3/16" plate, circular - 46" diameter, 60" high. To be mounted on 36" legs with threaded foot plates for leveling. (DPMD 779 Pt. 5)	1,250.00	AMERICAN BANKER B/I UN-1 Dec. 11/47
			2 each	Air filters (for fermentors) carbon steel 16"x 5 1/8" overall. Bottom 12" to be conical to 3/4" outlet equipped with globe valve, top to be flanged and removable - vessel to be constructed of 16" standard pipe and tested to 15 p.s.i. - a 16" perforated plate to be installed at base of pipe for wool support and 16" perforated plate supported by flanged top to extend inside of pipe 12". Two 2" nipples to be welded to vessel diametrically opposite about 6" from top. 2" inlet placed just below bottom perforated plate; per blueprint attached. (DPMD 779 Pt. 5)	880.00	
			3 each	Air filters (for seed vessels) carbon steel 6"x3" overall. Lower 5" to be conical to 1/2" outlet equipped with globe valve. Same specifications as above in approximate dimensions. Outlets to be 1". See blue print attached. (DPMD 779 Pt. 5)	1,125.00	

C.B.B. B-1758/00-266

CM

CONTRACTOR	SERIAL NO.	QUANTITY ORDERED	MATERIAL	YAS HS		SHIPMENT
				Value	Value	

AMERICAN RANGER  
B/L UM-1  
Sept. 24/47

Fischer & Porter Co.	MSC-5741	2 each	Master enclosed floatators to have the following specifications: <u>METERING INSTRUMENT</u> : Figure #735; meter size: 1 1/2"; connection size: 3/4"; connection type & rating: flanged flat face; material of fitting: bronze; float guide: patented "Dead Guide" tube with 3 raised glass ribs to center and to guide the float; packing: Neoprene; connections to face: inlet-left, outlet-right; unless otherwise specified; panel mounting fittings: none; metering tube: B1A25, headed, 250mm. scale; type of scale & units: Direct reading; float specifications: B6011-1 of stainless steel. <u>FLUID</u> specifications: Fluid: Air; color & transparency: transparent; specific gravity: 1.00; operating pressure: atmospheric; operating temperature: 70° F. <u>FLOW RANGE</u> : maximum flow: 200 GPM; minimum flow: 290PM. to include outline drawings and pressure correction curves. (DPMD 779 pt. 4)	2,280.80 442.00		
		3 each	Master enclosed floatators to have the following specifications: <u>METERING INSTRUMENT</u> : Figure #735; meter size: 6; connection size: 3/4"; connection type & rating: screwed; material of fitting: brass; float guide: patented "Dead Guide" tube with 3 raised glass ribs to center and to guide the float; packing: neoprene; connections to face: inlet-left, outlet-right, unless otherwise specified; panel mounting fittings: none; metering tube: B6N25, headed, 250mm. scale; type of scale & units: direct reading; float specifications: B6-62 of stainless steel. <u>FLUID SPECIFICATIONS</u> : Fluid: air; color & transparency: transparent; specific gravity: 1.00; operating pressure: atmospheric; operating temperature: 70° F. <u>FLOW RANGE</u> : maximum flow: 20 GPM; minimum flow 1.40PM. to include outline drawings and pressure correction curves. (DPMD 779 pt. 4)	196.80		

## SHIPMENTS OF PHARMACEUTICAL EQUIPMENT TO CZECHOSLOVAKIA

ON

C.E.R. B-1756/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US		SHIPMENT
				Value	Value	
Keson-Mellan Regulator Co.	MISC 8736	2 each	2" #516 back pressure regulators, cast iron body, flanged ends, FAD 2504 Ex. My standard #304 18/8 stainless steel trim. Grease sealed lubricator, #1 grease #7 case, adjustable range 6-20 PSI, controlling air 0-200 CFM. DPMD 779 Pt. 3)	492.00		PICKER COVER B/L UN-1 Dec. 17/47
		3 each	1/2" #516 back pressure regulators, cast iron body, screwed ends, #304 18/8 stainless steel trim, grease sealed lubricator, #1 grease #9 case, adjustable range 2-7 PSI valve open above 5 PSI, controlling air 0-25 CFM. (DPMD 779 Pt. 3)			
		1 each 6 each	Standard Assay Cup dispensers (DPMD 770 Pt. 2) 24" stainless steel magazine tubes, 7/16" O.D., 0.032" wall thickness. (DPMD 779 Pt. 2)	90.00 12.90		WELL OF THE SEA B/L UN-2 Oct. 16/47
Robert D. Shaw Co.	MISC 8737	2,500 each	Stainless steel penicillin cylinders, .3125 O.D., .242 I.D., .400 length (DPMD 779 Pt. 1)	125.00		AMERICAN SHIPPER B/L UN-2 Sept. 5/47
Ericsson Screw Machine Co.	MISC 8739	1,000 lbs.	Forgital (emulsion breaker) in drums suitable for export. (UC-579)	527.45		VILANOVA VICTORY B/L UN-1 Dec. 12/47
Robert Berry & Co. Ltd.		1 each	Salts filters, size 100 ml. (UC-579)	21.65		Not yet shipped B/L UN-1 Dec. 12/47
Fischer Scientific Co. Ltd.		1 each	Constant temperature water baths, type for Lab. assay work "Tress", size 160, 220 volt (UC-579)	171.18		Not yet shipped UN 5875
		1 each	Lab freeze-dry set-ups as per sketch provided Fischer Scientific Co. by Merch. To include manual field connecting flasks and 2 traps/set. (UC-579)	122.76		Not yet shipped UN 5875
		1 each	Baratened stills, capacity 10 G.P.H., steam heated (UC-579)	382.29		Not yet shipped UN 5875

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SHIPMENTS OF PIPES AND FITTINGS FOR FERRICLIN EQUIPMENT TO CZECHOSLOVAKIA

GOVERNMENT	Quantity Shipped	MATERIALS	PRE DS VALUE	REMARKS
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Grass & Co. Ltd. 100 M3 765 3/4" 1" type 304 S.D. stainless steel seamless tubing 1,289.08 AMERICAN VETERAN 9/1 1

306" 1" 2" . . . . . 551.63 Dec. 24/57

The following items were all shipped on the Panatierburgh Victory B/L UN2, January 22/1948 packed in 3 bags and 2 boxes, gross weight, 1,734 lbs., value \$1,760.37.

- 63 1" #1890 stainless steel unions
- 6 1 x 1/2 #1890 stainless steel hex. headings
- 4 1 1/4 x 1 " " " "
- 6 1 x 1/2 " " " "
- 6 2 x 1 1/4 " " " "
- 6 2 x 1 1/4 " " " "
- 2 2 x 1 1/4 " " " "
- 2 2 x 1 1/4 " " " "
- 2 2" #1890 stainless steel gate valves SCD
- 11 3" #352 B Std. stainless steel 90° welding elbows
- 12 4" " " " " " "
- 16 6" " " " " " "
- 22 1 1/4" #35 1/2 all iron SCD globe valves
- 50 1 1/2" #35 1/2 all iron SCD globe valves
- 26 1 1/2" " " " " " "
- 13 2" " " " " " "
- 46 3/4" " " " " " "
- 3 1 1/4" #408 all iron SCD gate valves

The following items were all shipped on the SS MONT ROLLAND B/L 1, February 21, 1948 packed in 26 boxes, gross weight 10,804 lbs., value \$3,435.13.

- 200 1/2 x 1 1/2" Sq. Hd. carbon steel machine bolts with hexagon nuts
- 50 1 1/2" #519 blk M.I. hex unions
- 50 1 1/2" " " " " " "
- 25 1 1/2" " " " " " "
- 60 3/4" " " " " " "
- 100 1" " " " " " "
- 50 1 1/2" #519 Galv. M.I. hex unions
- 25 1 1/2" Std. blk. G.I. Tee

# SHIPMENTS OF MATERIALS SUPPLYMENT TO COMBUSTIBLES

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C.N.B. 2-1758/MS-366

CONTRACTOR	Serial No.	Quantity Ordered	Material	Value	Shipment
The Ideal Supply Co.	1	210 feet	1 1/4" black pipe, threaded and coupled	9.12	REMOTE OF THE SEA 10/1 UN 1 Jan. 13/47
	2	315 feet	1 1/2" " " " "	18.17	
	3	252 feet	3/4" " " " "	18.60	
	4	168 feet	3/4" galv. pipe	16.03	
	6	420 feet	1" galv. pipe	56.52	
	8	105 feet	1 1/4" black pipe threaded and coupled	18.60	
	9	126 feet	1 1/2" galv. pipe threaded and coupled	22.77	
	13	63 feet	4" black pipe, plain ends	45.08	
	15	84 feet	8" x 25 lbs. Black pipe, plain ends	142.46	
	16	19 feet	12" x 50 lbs. " " "	66.86	
	3	246 feet	3/4" black pipe, threaded and coupled	18.30	Not yet delivered
	5	600 feet	1" galv. pipe	62.28	
	6	1,180 feet	1" stainless steel No. 304 pipe, seamless	158.84	
	7	750 "	2" galv. pipe, threaded and coupled	1,470.75	
	10	600 "	2" stainless steel No. 304 pipe, seamless	171.66	
	11	300 "	3" black pipe, plain ends	1,098.00	
	12	100 "	4" " " "	44.61	
	13	237 "	6" " " "	162.85	
	14	300 "	8" x 25 lbs. black pipe plain ends	292.99	
	15	116 "	1" type 304 S.S. Stainless steel seamless tubing	271.38	
	7	765 3/4"	2" " " "	1,289.08	AMERICAN VETERAN 3/10/1 Dec. 24/47 Not yet delivered
	11	306 1"	Balance of piping and fittings	551.63	
	18-61		Fittings	5,665.69	
				3,871.01	
				1,814.68	
				744 22/48	

as & Co. Ltd. UC 113

ITEMS 25A, 25E, 26, 28, 31, 32, 37, 38, 39, 41, 48, 50, 51, 74, 77A, 77B, 78A

*Refused*



**SUPPLEMENTARY REPORT**  
**SHIPMENTS OF TUBS AND FITTINGS FOR PERIPHERAL EQUIPMENT TO CAMBODIA**

PAGE 18

CONTRACTOR	Quantity Shipped	MATERIAL	SHIPMENT	
			FAS US VALUE	SHIPMENT

50	1/2" Std. M.K. C.I. Tees	
75	1" " " "	
12	1 1/4" " " "	
12	1 1/2" Std. Galv. C. I. Tees	
12	2" " " "	
30	3/4" " " "	
30	1" " " "	
76	1 1/4" " " "	
6	1 1/2" x 1 1/4" Std. Galv. C. I. Red Tees	
150	1 1/2" Std. M.K. C.I. Alls	
50	1/2" " " "	
50	3/4" " " "	
100	1" " " "	
150	1 1/4" " " "	
50	1 1/2" Std. Galv. C.I. Alls	
50	3/4" " " "	
24	1" " " "	
76	1 1/4" " " "	
12	1 1/2" x 1 1/4" Std. M.K. C.I. Red Ells	
1	3 x 1 1/4" " " "	
1	1 1/4" x 1" M.K. Shoulder Bushings F.F.&D.	
2	3" #525 Std M.K. C.I. Ells	
1	6" " " "	
2	6 x 1" #535 Std. M.K. C.I. Red Ells F.F.&D.	
1	8 x 6" #535 " " "	
2	3" #529 Std. M.K. C.I. Tees " F&D	
2	6" #529 " " "	
52	3 x 7 1/2" Std #553 M.K. C.I. Comp Flanges F&D	
19	6 x 11" " " "	
1	8 x 13 1/2" " " "	
1	4 x 9" " " "	
6	1/2" #488 alliron gate valves STD F.F.&D.	
46	3/4" " " "	
5	1" " " "	
26	1 1/4" " " "	
26	3" #473 all iron gatevalves	
20	4" " " "	
3	6" " " "	

Mont Rolland B/ L 3 Feb 21/48  
 (continued)

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SUPPLEMENTARY REPORT  
SHIPMENT'S OF PIPES AND FITTINGS FOR FAMILIAR EQUIPMENT TO CINCINNATI

QIR NUMBER	QUANTITY	SHIPMENT	DATE	VALUE	SHIPMENT
	7				
	11				
	40				
	4				
	86				
	85				
	100				
	20				
	40				

4" 4073 all iron gate valves P & WAD air water water tested  
 8" 4073 all iron gate valves P & WAD air water water tested  
 3 5/8" Q.O. style 7" hand wheels

2x2x2" 41888 stainless steel SCD

1" 41888 stainless steel SCD

1" 41888 stainless steel 50 degree SCD elbows

1" 41888 " gate valves BCD

1" 41888 " globe valves

1" 41888 stainless steel SCD comp. flange P&O

Mont Rolland B/L 3 Feb 21/48  
 (continued)

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SUPPLEMENTARY REPORT  
SHIPMENTS OF PIPES AND FITTINGS FOR FREIGHTLINE SHIPMENT TO CZECHOSLOVAKIA

ITEM NO.	QUANTITY SHIPPED	MATERIAL
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Ideal Supply Company

The following piping was shipped on the BELLE OF THE SEA S/L US 1 January 9, 1948. Total value \$428.21.

1	210 ft.	1/4" black pipe, threaded and coupled
2	315 ft.	1/2" " " " " "
3	252 ft.	3/4" " " " " "
4	168 ft.	3/4" galv. pipe threaded and coupled
6	420 ft.	1" " " " " "
8	105 ft.	1 1/4" black pipe " " "
9	126 ft.	1 1/4" galv. pipe, threaded and coupled
11	65 ft.	4" black pipe, plain ends
12	93 ft.	8" x 25 lbs. black pipe, plain ends
16	20 ft.	12" x 50 lbs. " " "

The following piping was shipped on the AMERICAN VETERAN S/L US - February 4, 1948. Total value \$2,660.87

3	147 ft.	3/4" black pipe, threaded and coupled
5	210 ft.	1" " " " " "
6	210 ft.	1" galv. pipe, " " "
7	768' 8"	1" stainless steel, No. 105 pipe, seamless
11	111'	2" stainless steel No. 304 pipe, seamless
12	109 ft.	3" black pipe, plain ends
13	69 ft.	4" " " " " "
14	68 ft.	6" " " " " "

The following piping was shipped on the AMERICAN VETERAN S/L US - February 4, 1948. Total value \$322.46

3	147 ft.	3/4" black pipe, threaded and coupled
5	210 ft.	1" " " " " "
6	210 ft.	1" galv. pipe, threaded and coupled
13	86 ft.	4" black pipe, plain ends
14	98 ft.	6" " " " " "

740X 21

SUPPLIES AND FITTINGS FOR PERICLIMIN EQUIPMENT TO GROUND STATIONS

CONTRACTOR	ITEM NO.	QUANTITY	MATERIAL
		PIPED	
The following piping is to be included on the first available vessel. Total value \$232.46.			
<i>was shipped on the American Farmer B/L UN 3 Feb. 24/48</i>			
	5	210 ft.	1" black pipe, threaded and coupled
	6	210 ft.	1" galv. pipe, threaded and coupled
	10	105 ft.	2" black pipe plain ends.
	13	113' 5"	4" black pipe plain ends.
The following items are to be delivered by February 29, 1948 and will be shipped as soon as possible.			
This will constitute the last and final shipment of piping and fittings for the periclimin plant. Total value \$157.71.			
	6	210 ft.	1" galv. pipe, threaded and coupled
	10	210 ft.	2" galv. pipe, threaded and coupled
	14	51 ft.	4" black pipe, threaded and coupled
	15	67 ft.	5" x 25 lbs. black pipe plain ends.
			<i>Balance cancelled</i>
			<i>Balance cancelled</i>
			CANCELLED

#88-35

\$88.35

42

SHIPMENT OF PERICULITY EQUIPMENT TO POLAND

C.I.F. B-1758/UC-266

Page 1

SHIPMENT	Serial No.	Quantity	Description	Value	Remarks
SHIPMENT	AL-2809	1	1411 Canadian Ingersoll Rand Class RS 1-MI Class 2 construction air compressors complete with accessories (price inclusive);		Actor June 18, 1947 B/L 24
			1 ea. Filter, Air Inlet ) These two items not included in original shipment 1 ea. Smother Intake ) on Actor, but were shipped later on the Tripport 1 ea. Receiver, Air, 42" dia. B/L 70 - Nov. 14, 1947 1 ea. After Cooler, 50 H.P., with Safety Valves 1 ea. Motor, 60 H.P., 360/220V, 3 Phase, 50 cycle 1 ea. Compressor, starting, for above 60 H.P. motor		\$0, 800.00
SHIPMENT	PA-1	1	1 ea. 1417 Canadian Ingersoll Class RS 1 pump and accessories (price inclusive);		
			1 ea. Motor, 20 H.P., 360/220V, 3 phase, 50 cycle including starting compressors. 1 ea. Bases, Sliding, for above motor.		
SHIPMENT	AL-3011	2	15 H.P., 3 phase, 50 cycle, 1500 RPM, 360/220 V, 40°C rise, protected type H-3, squirrel cage induction motors with normal starting torque and low starting current and 10 only bases for motors complete with starters.		Trimest B/L 22 Sept. 9, 1947
	PA-1	2	Motor, 2/4 or 1 H.P. 3/0/220V, 3 phase, 50 cycle	\$ 496.04	
SHIPMENT	AL-3012	2	Motor, 2/4 or 1 H.P. 3/0/220V, 3 phase, 50 cycle	\$ 122.00	March 6, 1947
	PA-1	2	Motor, 2/4 or 1 H.P. 3/0/220V, 3 phase, 50 cycle	\$ 122.00	
SHIPMENT	AL-3013	1	1 ea. 1417 Canadian Ingersoll Rand Class RS 1-MI Class 2 construction air compressors complete with accessories (price inclusive);		Actor June 18, 1947 B/L 24
	PA-1	1	1 ea. 1417 Canadian Ingersoll Class RS 1 pump and accessories (price inclusive);		

## SHIPMENT OF PENICILLIN EQUIPMENT TO POLAND

ON

C.I.B. B-1753/UC-266

CONTRACT		MATERIAL		FA5 US	SHIPMENT
Serial Quantity	Ordered			Value	
<b>The Canadian Fairbanks Morse Co.</b>					
AI-3014	2	Fairbanks-Morse 1 1/2", Figure 533L, all iron centrifugal pumps mounted on base and direct connected through flexible coupling to and including an Electric Temper & Equipment Company 3 h.p. 3 phase, 50 cycle, 380/230V, 1500 RPM, 50°C rise, standard protected type electric motor.			Actor B/L 18 June 15, 1947
AI-3014	1	Fairbanks-Morse 1", Figure 533L, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Temper & Equipment Co. 1 1/2 h.p. 3 phase, 50 cycle, 380/230 V, 1500 RPM, 50°C rise, standard protected type electric motor.		\$ 833.96	
<b>Taylor Instrument Companies of Canada, Ltd.</b>					
AI-3015 PA-1	1	Thermometer, Instrument Recording, 9757223 Taylor, 2 pen Record, with left and right tube system, 20 ft. leads, with a 30" rigid 18-335 stem and union connection assembly. Range of instrument, 0-235°F., with over-range protection B chart No. 68-156.			Microscope B/L 1 Nov. 25, 1946
	1	Thermometer, Recording, 2 pen, chart (same as above except for 10' leads & 22-3/4" stem).			
	1	Thermometer, Recording, 1 pen, (same as above except for 10' leads & 22-3/4" stem).		\$ 884.86	
<b>McQuay-Norris Ltd.</b>					
AI-3016 PA-1	2	Type 773 Agitators having 1 h.p., 380/230V, 3 phase, 50 cycle, 1500 RPM open protected motor stainless steel shaft, and propeller for use in tank 45" dia. x 4 ft. deep		\$ 328.84	Microscope B/L 49 May 19, 1947
<b>The Toronto Iron Works, Ltd.</b>					
AI-3018 PA-1	2	Tanks, 7' x 15"			Microscope B/L 4 May 6, 1947
	2	Tanks, 40" dia. x 3' 2 5/8" plain steel complete with reducer motor coupling and slow coupling 90 RPM		\$ 6,906.03	
<b>General American Transportation Corp.</b>					
TR-2735	2	Turbo-Mixers, impellers, quadruplex for agitation without motor. (MA-1687)		\$ 1,887.60	Patlandia B/L 246 June 3, 1947
<b>Anti-Stetics, WDA, Feed &amp; Drug</b>					
	1	Sample pure penicillin O crystal form 140%			
	1	Sample pure penicillin K crystal form 86% (non-standard)			

Turned Over To Trainees



## SHIPMENT OF PENICILLIN EQUIPMENT TO POLAND

ON  
C.E.B. B-144000-066

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	Value	SHIPMENT
Anti-Biotics, USDA, Feed & Drug (cont'd)		1	Sample standard <i>Streptococcus aureus</i> 20MP		
		1	Sample bacillus <i>Subtilis</i> SE PC1-220		
		1	Sample penicillin <i>chrysogenum</i> 194 M22		Turned Over to Trainees
		1	Sample penicillin <i>notata</i> GNC		
Northern Regional Research Lab.		1	Sample Bacillus <i>Hevils</i> GNC B541		
		1	Sample MRL 1612		
		1	Sample I-1612 in soil		
Madison Wisconsin		1	Sample culture E		
		1	Sample culture Q174		
		1	Sample culture Q174		
Reedell Boiler Ltd.	AI-3017	1 only	60" dia. by 18'-0" low storage tanks welded construction made of 3/16" steel plate in shell 4" flatheads, with 16" bolted manhole four 2" screw-outlets and two 1" in each head. Painted two shop coats of paint outside only, all outlets to be plugged for shipping.	\$ 270.00	Marchport B/L #1 Jan 18, 1967
Sveada Coppernitching Co., Ltd.	AI-3006	1 only	50 gal. SS covered tanks with Conical Bottom & SS cooling coil	\$ 434.36	Marchdale B/L #
	PA-2		This tank shipped without agitator and thermometer		Mar. 4, 1966
			The agitator & thermometer for above tank was shipped with 500 gal. tank		After B/L #3 June 15, 1967
			Contract AI 3107		
AI-3034	120 only		Trays (Aluminum or Copper Construction) with individual compartments like egg crates for holding vials during freezing and drying.	\$1,443.92	Marchdale B/L #
PA-2					Nov. 4, 1966

## SHIPMENT OF PENICILLIN EQUIPMENT TO POLAND

ON

C.S.B. B-1788/TC-266

SHIPMENT		MATERIAL		FAS US		SHIPMENT	
Serial	Quantity	No	Ordered				
<b>Taylor Instrument Co.</b>							
Al-3008 PA-2	2 only	Al-3008 PA-2	2 only	Single Pen Taylor Recording Thermometers Chart No. CP 3804, Range 0-100°F 10' lead 18-8 SS Accuratus tubing stem length 24" with one Trico Air Filter and one air reducing valve #3 and one Taylor Mono Steel Even Action Diaphragm valve.			
Al-3008 PA-2	4 only	Al-3008 PA-2	4 only	Single Pen Taylor Recording Thermometers Chart No. CP 3802, Range 0-100°F 10' lead, 18-8SS Accuratus tubing, stem length 20" with one Trico Air Filter and one air reducing valve #3 and one Taylor Mono steel Even Action Diaphragm valve.			
Al-3007	2 only	Al-3007	2 only	Taylor Gauge Thermometers			
Al-3007	2 only	Al-3007	2 only	Autoclaves for steam sterilizing of Penicillin Vials, diameter 30", length 7'.			
Al-3008	1 only	Al-3008	1 only	Canadian Ice Refrigerator Units (Compressor & Piping)			
Al-3008 PA-3	2 only	Al-3008 PA-3	2 only	Squirrel Cage Motors, Frame 324, 18 h.p., 1800 RPM 230/260V, 3 phase, 50 cycle, 50 HZ. C. Rise, continuous rated, protected type, with antifriction bearings end with sliding base but without pulley.			
Al-5108	10	Al-5108	10	Belt Drive, Belt, Dodge V, for 15 h.p. motor, belt and pulley to fit on motor.			
Al-5107 PA-1	2	Al-5107 PA-1	2	Can Corn Oil, 10 Gal., complete with gauge and safety valve.			
Al-5107	1	Al-5107	1	Tank, 360 U.S. Gallon Stainless Steel with Coil			

SHIPMENT OF PERICILLIN EQUIPMENT TO POLAND  
C.E.B. - B1087/AN 289/57

Page 5

CONTRACTOR	Serial Quantity No. Ordered	DATY/REAL	FAS US Value	SHIPMENT
Richardson Agencies, Ltd.				
	AI-5018 1 only	Tanks, closed, 200 US gal. 48" IDx36" jacketed glass lined with 2" insulation and steel sheathing, with agitator and 3/4 H.P. explosion proof motor and drive.	\$ 3,712.27	Montclair B/L 15 Feb. 20, 1947
	PA-1 3 only	Tanks, 88, 400 US gal. 60" IDx60" with agitator and 1 h.p. explosion proof motor.	\$ 9,056.61	Actor B/L 27 June 15, 1947
	PA-1 1 unit	Distillation Unit, glass lined, Pfandler, consisting of 50 gal. glass lined kettle, 1/2" thick 48" IDx48" 50 gallon glass lined receiver, Pfandler 48" IDx48" and 88 Tubular condenser, Pfandler 48" IDx48".	\$ 1,727.15	Mont Clair B/L 15 Feb. 20, 1947
	PA-1 3 only	Tanks, 412, 50 U.S. gallon glass lined, jacketed 24" IDx29" insulated, steel sheath with agitator and 1 h.p. explosion proof motor.	\$ 3,166.63	Marche B/L 17 May 6, 1947
	PA-1 3 only	Tanks, Buffer, 200 gallon, 88, 40" x 60" IDx36" with agitator and 3/4 h.p. explosion proof motor revised design of tank bottom and 48" baffles. (equipped loss valves).	\$ 4,329.27	Marche B/L 19 May 6, 1947
	PA-1 1 only	Tanks, 100 US gallon, glass lined, jacketed, insulated and steel sheathed with agitator, baffle and 3/4 h.p. explosion proof motor.	\$ 1,824.01	Marche B/L 17 May 6, 1947
	PA-1 3 only	Tanks, 50 U.S. gallon, glass lined	\$ 3,283.60	Triment B/L 21 Sept. 7, 1947
Whiting Corp., Ltd.				
	AI-5019 4	Sharples 10P Sweet Condensers Vapour Tight Model Pressurized belt drive with explosion-proof motors 6 separating bowls, 1 clarifying bowl, all 50.		Actor B/L 23 June 15, 1947
	PA-2 1 set	Sharples Laboratory Model Centrifuge direct drive 88 bowls, 1 clarifying, 2 separating	\$14,919.34	

\*Valves shipped Actor B/L #27 June 15/47 172.62

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SHIPMENT OF CHEMICALS EQUIPMENT TO POLAND  
C.I.D. - H1827/UC 289/77

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Fischer and Porter Company	AI-3025	1 only	Broth Rotameters		Marchport B/L #20
		1 only	Acetate Rotameters		Jan. 18, 1967
		1 only	Phosphoric Acid Rotameters		
		1 only	Rotameters for water	\$ 429.39	
F. Doyle, J.P. Devine Mfg. Co. Burlington, N.H. Porter Co., Inc.	AI-3034	5 only	Special No. 1A Devine Vacuum Chamber Drivers, each Cabinet to have 5 or 6 shelves.	4,286.09	Trident B/L 17 Sept. 7, 1967
Canadian Laboratory Supply	AI-3030	1 only	International size 2 oil testing centrifuge with 10V A Mixer head	822.10	Astor B/L #29 June 15, 1967
		2 only	Model 40 SS 50-10 Brewer Automatic Pipetting Machines	360.67	Marchport B/L 15 Jan. 18, 1967
F.J.B. Howard & Co., Ltd.	AI-3022	1 only	Elliot four-stage steam with intercondenser operating 115 lb. steam pressure		Jan. 18, 1967
	PA-2	1 only	Elliot three-stage steam ejector for use in starting operations.		Jan. 18, 1967
John Douglas Co., Ltd.	AI-3109	1 set	Pumpset, consisting of: 1 each Acetate Pump 1 each Broth Pump 2 each Strong Acetate Transfer Pumps 1 each Spont Acetate Transfer Pumps 1 each Wash Tanks & Solvent Filling Pumps 1 each Chloroform Pumps 1 each Spont Pumps (10 hp. 25-170 ft. Head gear pumps, 3/4 h.p. motors explosion proof SS gears, cast steel castings or equivalent	5,030.07	Trident B/L 20 Sept. 7, 1967
Canadian International Road Co., Ltd.	AI-3109	1 set	Acid pump and pump, 10 gpm., 30' head, hard rubber 3/4 hp. explosion proof	2,872.00	Mont Sandra B/L 20 December 1, 1966
	AI-3036	1	4 ft. diameter by 2 ft. face Bird Young Universal filters all in accordance with proposal M-9713 Exp. 1973 of March 7.	7,835.40	

CONTRACTOR	Serial Quantity No. Ordered	MATERIAL	FAS US Value	SHIPMENT
Richardson Agencies, Ltd.	AI-3045 3 PA-4	66 x 66" vertical Pfandler glass-lined steel storage tanks furnished with 2" of cork insulation completely covered with a 3/16" neoprene and supporting legs. 2-3" openings and 1-2" opening.	15,566.97	Mareboape B/L 22 Nov. 23, 1946
	AI-3045 1 PA-4	Pfandler Heat Exchangers (fixed tube sheet type as on pages 8 and 9 Pfandler Condenser Manual No. 837, type 304 stainless on the tube side and plain carbon steel on the shell side. Dimensions 7" for broth 2" flanged, for coolant circulation 3"-flanged. Tubes are type 304 stainless 66 x 4" OD 16 gauge 13'0" long. SS tube sheets 3/4" thick design pressure 75 lbs. 1 sq. in. both shell and tube sides.	1,740.58	Astor B/L 27 June 15, 1947
Chester A. Olson Co. Washington	OP-8899 3	Pumps, 3 to 10 gpm, operating at a total working head of 20 feet, 1 1/2" - 4" electropump, fitted for 1 - 1/2" suction and 1" discharge and powered by a 50 cycle, 230/440 volt, 3 pole electric motor.	418.00	Batory B/L 1 May 20, 1947
Harold Baker	TS-1257 3	Cold Storage Unit complete. Each unit to be complete with two self-contained refrigerating units and each refrigerating unit to have individual compressor, 3 h.p., 5 phase 220 volt, 50 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. Each storage compartment is to have two swinging doors. The cold storage box approx. dimensions: 12'10" by 24'4" by 7'6", to be made up of sections. The refrigerating unit should be fully 1/2" contained and manufactured in such a way that it would be possible to use them singly or in pairs. Units should be controlled from an integral control panel. Total capacity approx. 2340 cubic ft. With spare parts. (UA 2853)	(2 units)Jutlandia B/L 314 July 22, 1947  (1 unit)Palatira B/L 303 Aug. 12, 1947	Palatira B/L 308 June 24, 1947
		1 set of spare parts	6,446.00	
			22.00	Palatira B/L 308 June 24, 1947

SHIPMENT OF PENICILLIN EQUIPMENT TO POLAND  
C.E.R. - B1887/UC 289/77

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	YAS US Value	SHU/2897
John Arman Air Conditioning Co., Inc.	TS-1258	8	Refrigerating unit, self contained, portable, complete with carrier compressor, 5 h.p. 220 volt, 30 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. B.T.U. capacity with Freon 100 degree Ambient at 25 degree refrigerant - 18,000 B.T.U./hr. 100 degree Ambient at 10 degree refrigerant 8,900 B.T.U./hr. Unit furnished should be same unit used with storage box above, also spare parts. (UA 2855)	\$6,116.00	Morsecode B/L 8008 May 2, 1947
P. J. Stokes Co.	OP-3492	5	Vacuum Pump, Model 60	700.00	Morsecode B/L 04 Feb. 12, 1947
The West Co., Philadelphia, Pa.	Tps 5555 PMA 2560	1,000,000 ea.	Stoppers, soft rubber, to fit 20cc penicillin bottles; 87 rubber stock composition, paraffined, to be stopper S-29. (UA-191/P91-123-6)	4,253.00	Jutlandia B/L UM-12 July 22, 1947
The West Co., Phoenixville, Pa. (Richardson Agencies)	812	1 each	Machine, caping, semi-automatic with J.E.P. 60 cycle, 110/220 volt, AC motor; turret type Westcapper designed to cap and crimp 20 mm size, triple seal aluminum caps of penicillin bottles, at the rate of 60 to 100 per minute. (UC 364)	4,720.17	Morsecode B/L 24 Nov. 21, 1947
	812	500,000	Triple Seal Aluminum Caps	Not yet shipped - UM3061	
		300,000	Single Seal Aluminum Caps		Trinmont B/L 9 Sept. 7, 1947
Aluminum Co. of America	Tps 5465 PMA 2221	1,102,000 ea.	Closures, aluminum, 20 mm. size fitting No. S-29 rubber stopper for penicillin bottles 3 piece combination steri-cap, Aluminum Co. of America No. 27-120. (UA-191/P91 - 129-8)	\$2,050.63	Morsecode B/L UM 41 April 16, 1947



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SHIPMENT OF CONTAINER EQUIPMENT TO POLAND  
C.I.F. - 01/27/47

CONTRACTOR	Serial Quantity No. Ordered	DETAILS	FAS US Value	SHIPMENT
Easton Glass Co.	Tps 5125 4,954 gross PMA 2170	Vial, glass, hex-riliceted, practical fill 20cc fill to base of neck, 24cc, O.D. 23mm, height 58mm, I.D. of neck 12mm. To be used type 1 glassware Model No. 8-205. (UA-191/P91 - 1/28 5)	\$23,235.11	Normalcyork B/L US-24 April 16, 1947
Products Refining Co.	Tps 542 74,076 lbs. PMA 2174	Steep water. Available from Corn Products Refining Co., 17, Battery Place, N.Y. (UA-191/P98 - DMC-21, 190 tons)	1,697.23 (58,203 lbs) Apr. 16, 1947	Normalcyork B/L US-68 Apr. 16, 1947
			1,672.69 (57,875 lbs) May 2, 1947	Normalcyork B/L US-46 May 2, 1947
	38 short tons	Same as above.	2,776.00	Cancelled
Wallinckrodt Chem. Works	Tps 6034 835 lbs. PMA 2227	Potassium dihydrogen phosphate (monobasic). Available from Wallinckrodt Chem. Works, St. Louis, Mo. (UA-191/P98 - DMC-21)	226.70	Normalcyork B/L US-42 April 16, 1947
Western Condensing Co.	Tps 6176 117,800 lbs. PMA 2086	Lactose (milk sugar) Commercial grade in 100 lb. drums. (UA-191/P98 - DMC-24)	23,972.30	Normalcyork B/L US-7 April 26, 1947
Smith & Company	Tps 6312 11,452 lbs.	Penicillin deforming agent (UA-2768)	4,946.48	Normalcyork B/L US-27 May 26, 1947
East of Toledo	PMA 2047 (200 lbs.)	Phenol, USP, fused (acid carbolic)		Normalcyork B/L US-26 April 16, 1947
East of Toledo	(200 lbs.)	Magnesium Sulphate crystals	36.14	

P.S. A.C. Out of Toledo

SHIPMENT OF PENICILLIN MATERIALS TO POLAND  
C.A.S. - 91887/DC 289/77

CONTRACTOR	Serial Quantity No. Ordered	MATERIAL	Value	SHIPMENT
<u>PENICILLIN DATA</u>				
J. T. Baker Chem. Co.	Tps 437 17,500 PMA 2476 lbs.	Chloroform, technical, avail. from Dow Chem. Co., Midland, Michigan (UA 191/PMS-DEC-21)	\$5,281.85	Marine Klm B/L 2018 June 14, 1967
Wart Berry & Co., Ltd.	22,680 lbs.	Phosphoric Acid, 85% USP, Syrupy. Not available from American Agri. Chem. Co. (UC-517) - Wreck	(21,600 lbs) 5,829.77  (1,080 lbs.) 291.44	W.S. Malotod B/L 2008 May 14, 1967  Morosynoff B/L 2008 Nov. 12, 1967
British Govt. Contract	PG 263 1,000 lbs	Acid Phenylacetic	1,100.25	W.S. shipment from United Kingdom
J. T. Baker Chem. Co.	TS 1070 500 lbs	Sodium Hydrate C.P. reagent, sticks. UA-2621	99.00	Patlandia B/L 2008 July 26, 1967
Robert Berry & Co., Ltd.	15,200 lbs.	Potassium Hydroxide, Technical flakes. 100% pkg. (UC-517)	3,061.11	Brush B/L 2018 Dec. 4, 1967
P.A.S. Export Corp. P. N.Y.	CP 3902 9 lbs.	Acid Sulphuric C.P. concentrated, C.P. OP	1.40	Morosynoff B/L 2007 April 16, 1967
Wise Lab., Inc.	TS 1021 9x100 grams	Cystine L - Cystin - UA-3041	74.80	Morosynoff B/L 6 June 7, 1967
Harman & Bell Ltd.	2 1/2 lbs.	Trypsin 1.75 Pancreas substance	20.00	Marbonge B/L 4 Nov. 21, 1967

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SHIPMENT OF PERIODIC MATERIALS TO POLAND  
C.N.B. - 91887/UC 203/77

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	Value	SHIPMENT
<u>PERIODIC MATERIALS (Cont.)</u>					
Office Lab., Inc.	TS-1071	10 kilos	Pancreatic Extract (dried pancreas) UA-5041	\$ 842.00	Borsylaw B/L 8 June 7, 1947
Labradet Chem. Works	OP-3701	24 lbs.	Potric Tartarate C.P.	6.08	Palatrin B/L 828 May 6, 1947
Office Lab., Inc.	TS-1071	12 lbs.	Reef extract UA-5041	56.00	Borsylaw B/L 8 June 7, 1947
Robert Berry & Co. Ltd.		2 lbs.	Claraze (Diastase) USP IX (UC-517)	10.55	Mont Sandra B/L 59 Dec. 22, 1947
New Zealand Govt. Contract	UZ 5/6	2 long tons	Lactose B.P. standard	704.00	Shipment made from New Zealand during November 1946
W. Wa. Pulp & Paper Co.	TS-1069	750 lbs.	Nuchar C 190 UA-5041	222.75	Palatrin B/L 815 June 24, 1947
J. Baker Chem. Company	TS-1070	1,260 lbs.	Sodium Sulphate, anhydrous C.P. UA-5041	362.80	Cancelled
Gave & Co. Ltd.	SL7	700 lbs.	Glass wool, lead free and borax free, fine .0008 to .0003 in. Pyrex high stability. (UC-507)	1,875.46	Not yet shipped UN 5460
Czechoslovakian Govt. Contract (E.S.O.)	PC-854	4.719 tons	Sodium nitrate USP VIII 0.3%	2,808.91	Shipped from Prague July 14, 1947
Ingram & Bell Ltd.	UC 517	2,200 lbs.	Calcium Carbonate	240.54	Marcheape B/L 4 Nov. 21, 1947

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SHIPMENT OF PENICILLIN MATERIALS TO POLAND  
C.I.B. - B1837/UC 289/77

CONTRACT	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
<u>Penicillin Drugs (Cont.)</u>					
P.P.H.S. Export Corp., N.Y.	OP-3908	40 ome.	Acid, Para-aminobenzoic CP	\$ 82.25	Normacort B/L 087 April 16, 1947
J Am & Bell Ltd.		50 grams	Crystal Violet 85% Beate (UC-517)	2.17	Marchscope B/L 4 Nov. 21, 1947
W.H. Lab., Inc.	25-1071	50 lbs.	Agar, granular or shreds, USP (UA-5041)	208.20	Marchscope B/L 8 June 7, 1947
W.H. Lab., Inc.		1,100 grams	Sodium Tyro-lycolate (UC-517)	38.57	Marchscope B/L 4 Nov. 21, 1947
		22 lbs. 20 ome. 25 lbs.	Casein powder Oil Immersion cedarwood, USP reagent Sodium hypochlorite Solution USP	14.20) 7.00) 8.75)	Cancelled
Case & Co. Ltd.	1218	2 ea.	Liquid Air trap Pyrex, O.D. 28mm dia. of connecting tube - 20 mm (UC-517)	42.20	Not Yet Shipped UN 6060
Standard Oil Co. of N.J.	OP-3904	5 gal.	Bearing lubricating oil. Pure paraffin oil. Viscosity 100 - 125 SSSU 100	2.00	Jutlandia B/L 244 June 2, 1947
		5 yds.	Plastic tubing (Vinylite) O.D. 1 1/2. 1/16 inch wall	15.00	Cancelled
Wholesale Instrument Co.	25-740	2 ea.	Controls, thermostat, 50° - 100°F. capacity 110 C.F. (UA-5059)	988.78	Jutlandia B/L 251 June 3, 1947
Sharples Corporation Philadelphia, Pa.	OP-3664	40 ea.	Belts, Sharples Super Centrifuge (OP-25-719)	120.00	Normacella B/L 079 April 25, 1947

SHIPMENT OF PARTS IN MATERIALS TO CANADA  
C.E.B. - B1607/DC 239/77

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Gamma Instrument Co., Inc.	72-635	2 sets	P.H. Meters, Lab. Model. Gamma Automat with accessories (UA-5024)	\$ 872.58	Jatlandia B/L 284 June 2, 1947
Canadian Ingersoll Rand Co. Ltd.		6 ea.	Carbon rings, replacements for 14 x 11 Ingersoll Rand Class RS-1-ML Class 2 construction air compressors (UC-517)	159.55	Tripert B/L 41 Nov. 14, 1947
Geco & Co. Ltd.	1470	1 ea.	Water distillation apparatus, 5 to 5 G.P.H. (UC-507)	297.29	Not Yet Shipped US 6194
		5 ea.	Cylinder "Pneum 12"	100.00	Cancelled
Fisher Scientific Co., Ltd.	1476	20 doz.	Pipettes, Serological 5 cc ea., 1/10 graduation	110.45	Tripert B/L 28 Nov. 14, 1947
Fisher Scientific Co., Ltd.	1476	15 ea.	Flasks, volumetric, 50 cc ea. ground glass (UC-507) topper, eraz.	18.65	
Geco & Co., Ltd.	1470	1 ea.	Pumps, oil, vacuum canco, Hyvac-Vac, 4 h.p. motor, 220 V, 50 cycle. (UC 507)		Not Yet Shipped US 6194
Geco & Co., Ltd.	1470	1 ea.	Pumps, oil vacuum canco mega, Vac. less motor 220 V, 50 cycle. (UC-507)	227.76	
Fisher Scientific Co., Ltd.	1476	1 ea.	Filters, pressure Seitz Biological 10 liter capacity each with 1 gross filter discs. (UC-507)	325.15	Tripert B/L 28 Nov. 14, 1947
Canadian Lab. Supplies, Ltd.	1477	1 ea.	Counters, Quebec Colony Canco, MM scale (UC-507)	41.24	Tripert B/L 14 Nov. 14, 1947
		4 ea.	Platinum, loop	6.00	Cancelled
Fisher Scientific Co., Ltd.	1476	200 ft.	Tubing, rubber, heavy, wall, 4" exterior UC-507	40.28	Tripert B/L 28 Nov. 14, 1947

SHIPMENT OF PERICULOUS MATERIALS TO POLAND  
C.E.B. - B1887/UC 289/77

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FOB US Value	SHIPMENT
Canadian Lab. Supplies, Ltd.	1477	6 ea.	Funnels, Separator, 5000 cc. stoppered globe (UC-507)	0 84.55	Not Shipped 2/2 58 Dec. 22, 1967
C. V. and Co. Ltd.	1470	6 ea.	Funnel, Buchner, Porcelain (not jacketed)	70.71	Not Yet Shipped 2/2 58
Fluor Scientific Co. Ltd.	1476	1 ea.	Oven, single wall 220 V. 50 C - AC (95/05 A) MI Dekatinsky Regulator (UC-507)	100.00	Shipped 2/2 58 Nov. 14, 1967
Robert Barry & Co., Ltd.	1507	5075-2/6 gal.	Amyl Acetate (UC-516)	2,211.58	Shipped 2/2 58 Nov. 14, 1967
			300 gal.	1,440.00	Not Shipped 2/2 58 Sept. 22, 1967
			1,500 gal.	5,164.20	Reville's Lake Waterbury 2/2 58 Nov. 14, 1967
			2,500 gal.	8,288.50	Shipped 2/2 58 Nov. 22, 1967
			156 gal.	504.74	Shipped 2/2 58 Nov. 22, 1967
Robert Barry & Co., Ltd.	2222	6,650 gal.	Amyl Acetate (UC-508)	14,157.19	Not Shipped 2/2 58 Dec. 22, 1967
			(4,350 gal.)		Not yet delivered (2,307 gal. App.) 6,413.54



SHIPMENT OF PARTS IN MATERIALS TO POLAND  
C.X.B. - 31089/UC 289/77  
EMERGENCY SPARE PARTS LIST

CONTRACTOR		SERIAL		QUANTITY		MATERIAL		UNIT		PRICE		TOTAL	
CONTRACTOR		SERIAL		QUANTITY		MATERIAL		UNIT		PRICE		TOTAL	
Shurplex Corp.		Misc. 8745		10 gal.		Bearing oil		(DPM 779 Pt. 8)		\$ 12.00		12.00	
				10 lb.		Nevastane grease				12.00		12.00	
				2 doz.		Ring Dam gaskets #155				2.40		2.40	
				24 each		Bowl Boss Sleeves (model) #40				79.80		79.80	
				24 doz.		Bowl Bottom Gaskets #154				4.00		4.00	
				6 each		Bowl Protecting Caps #325				5.40		5.40	
				36 each		Three wing springs stainless steel #378				9.00		9.00	
				1 each		Drugs, complete, stainless steel				228.00		228.00	
				36 doz.		Bushings #43				18.00		18.00	
				1 each		Drug springs #42 (stainless steel)				3.00		3.00	
				4 each		Feed Nozzle - stainless steel. #354				28.80		28.80	
				24 doz.		Feed Nozzle - gaskets #355				1.40		1.40	
				4 each		Ferrule cap - stainless steel #415				36.00		36.00	
				2 each		Ferrule body - stainless steel #414				66.00		66.00	
				48 doz.		Bullet cotton #561				2.40		2.40	
				2 each		Drake assembly complete, Type 3, #327				16.80		16.80	
				2 each		Bearing complete - #2 bearing				90.00		90.00	

James E. Maxwell  
3/1 2008  
Oct. 24, 1967

SHIPMENT OF VIOLENT MATERIALS TO POLAND

C.F.B. - 81007/UC 889/77

EMERGENCY SPARE PARTS LIST

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US		SHIPMENT
				Value	Value	
Sharples Corp.	Misc. 8743	2 each	Bearing sleeves #67	(DPMD 779 Pt. 8)	\$ 14.40	James B. Scotland 3/2 2001 Oct. 24, 1967
		2 each	Sleeve nuts #68	"	1.80	
		4 each	Female clutch #70	"	13.00	
		13 each	Flexible coupling #75	"	2.00	
		2 each	Bearing washers #339	"	.80	
		13 each	Ball bearings #245	"	22.20	
		13 doz.	Bearing oil filters #721	"	.20	
		4 each	Male clutch #71	"	7.20	
		13 doz.	Spindles, chrome plated, #72	"	115.20	
		4 each	Spindle - screws #74	"	2.00	
		1 each	Idler Assembly complete	"	25.00	
		6 each	Idler Ball bearings #305	"	14.40	
		13 each	Belt, chart #77	"	24.00	
	Misc. 8757	16 each	Germinical Lamps, 0-1575, 15", (DPMD 779 Pt. 7) 15 Watt.		28.92	
	Misc. 8740	1 each	Taylor Fullscope Recording Temperature controller, Black case, face mounted bottom connected, 24 hour spring wound clock, reverse action, adjustable sensitivity; 12" chart. OP 4535, Range 0 - 180°C. over range protection, d, each tube system 20 ft. mercury actuated capillary, 18/6 stainless steel bulb with rigid extension stem of 18/6 stainless steel 33" long including bulb, 18/8 stainless steel 33" long including bulb, for full immersion, including 3/4" thread hub nut, for full immersion, 100 charts, ink, etc., with all accessories, complete. (DPMD 779 Pt. 6)		498.10	Battery B/L 84 Dec. 10, 1967

SHIPMENT OF PETICILIN MATERIALS TO POLAND  
C.I.B. - B1287/UC 289/77  
EMERGENCY SPARE PARTS LIST

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CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US	
				Value	SHIPMENT
Taylor Instrument Co. (cont.)	Misc. 9740	1 each	12LW225 Same as item 1, except each tube system 10' and 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel, 22 3/4" including bulb. (DPMD 779 Pt. 6)	\$ 476.90	
		1 each	12LW123 Same as item 1, except 1 pen and 1 control system, 10' mercury actuated tubing, 18/8 stainless steel bulb with rigid extension of 18/8 stainless steel, 22 3/4" long including bulb. (DPMD 779 Pt. 6)	\$54.95	
		3 each	413525 1/4" reducing valves (DPMD 779 Pt. 6)	\$1.00	Battery 2/1 94
		3 each	R89417 Air Filter. (DPMD 779 Pt. 6)	19.80	Dec. 16, 1967
		3 each	5WC220 Taylor 1 inch Diaphragm valve, standard construction. (DPMD 779 Pt. 6)	112.80	
		2 each	6VC226 Taylor 2 inch Diaphragm valve, standard construction. (DPMD 779 Pt. 6)	146.00	
Parvane Rubber Co.	Misc. 9814	1 each	Batching Tanks, to be of carbon steel 3/16" plate, circular - 46" diameter, 60" high. To be mounted on 25" legs with threaded foot plates for leveling (DPMD 779 Pt. 5)		
		2 each	Air Filters (for Fermenters) Carbon steel 16" x 24" overall. Bottom 12" to be conical to 2/4" outlet equipped with globe valve, top to be flange and removable - vessel to be constructed of 16" standard pipe and tested to 16 p.s.i. - a 16" perforated plate to be installed at base of pipe for wool support and 16" perforated plate supported by flanged top to extend inside of pipe 18". Two 2" nipples to be welded to vessel diametrically opposite about 6" from top. 2" inlet placed just below bottom perforated plate, per blueprint attached. (DPMD 779 Pt. 5)		Memorandum 2/1 2000 Nov. 16, 1967
		3 each	Air filters (for seed vessels) Carbon steel 6"x8" overall. (Cont. next page)		

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SHIPMENT OF PETICILIN MATERIALS TO POLAND  
C.I.B. - B1687/UC 889/77  
EMERGENCY SPARE PARTS LIST

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US	
				Value	SHIPMENT
Taylor Instrument Co. (cont.)	Misc. 8740	1 each	181W325 Same as item 1, except each tube system 10' and 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel, 22 3/4" including bulb. (DPMD 779 Pt. 6)	\$ 478.90	
		1 each	181W123 Same as item 1, except 1 pen and 1 control system, 10' mercury actuated tubing, 18/8 stainless steel bulb with rigid extension of 18/8 stainless steel, 22 3/4" long including bulb. (DPMD 779 Pt. 6)	\$54.95	
		3 each	41S525 1/4" reducing valves (DPMD 779 Pt. 6)	\$1.00	Battery 2/1 54 Dec. 16, 1967
		3 each	H89P17 Air Filter. (DPMD 779 Pt. 6)	19.80	
		3 each	5WC226 Taylor 1 inch Diaphragm valve, standard construction. (DPMD 779 Pt. 6)	112.80	
		3 each	6VC236 Taylor 2 inch Diaphragm valve, standard construction. (DPMD 779 Pt. 6)	146.00	
Parsons Rubber Co.	Misc. 8814	1 each	Batching Tanks, to be of carbon steel 2/16" plate, circular - 48" diameter, 60" high. To be mounted on 25" legs with threaded foot plates for leveling (DPMD 779 Pt. 5)		
		2 each	Air Filters (for Fermenters) Carbon steel 16" x 24" overall. Bottom 12" to be conical to 2/4" outlet equipped with globe valve, top to be flange and removable - vessel to be constructed of 16" standard pipe and tested to 15 p.s.i. - a 16" perforated plate to be installed at base of pipe for wool support and 16" perforated plate supported by flanged top to extend inside of pipe 18". Two 2" nipples to be welded to vessel diametrically opposite about 6" from top. 2" inlet placed just below bottom perforated plate; per blueprint attached. (DPMD 779 Pt. 5)		Normal Mail 2/1 2000 Nov. 15, 1967
		3 each	Air filters (for seed vessels) Carbon steel 6"x25" overall. (Cont. next page)		

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SHIPMENT OF PARTICULATE MATERIALS TO POLAND  
C.F.B. - D1887/UC 289/77  
EMERGENCY SPARE PARTS LIST

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	YAS US Value	REMARKS
Hess-Hollan Regulator Co.	Misc. 8788	2 each	2" #516 Back Pressure Regulators, cast iron body, flanged ends, YAD 250% Ex. Ry. Standard #304 18/8 Stainless Steel trim. Grease sealed lubricator, #1 Grease #7 case. Adjustable range 6-20 PSI, Controlling air 0-200 CFM. (DPM 779 Pt. 3)		Reedice Victory 2/1 2008 Dec. 16, 1967
		3 each	1/2" #516 Back Pressure Regulators, Cast Iron body, screwed ends, #304 18/8 Stainless Steel trim, Grease sealed lubricator, #1 Grease #9 Case, Adjustable range 2-7 PSI Valve open above 5 PSI, Controlling air 0-200 CFM. (DPM 779 Pt. 3)	\$ 492.00	
Robert B. Shaw Co.	Misc. 8787	1 each	Standard Assay Cup Dispensers (DPM 779 Pt. 2)	90.00	Amesbury Victory 2/1 2008 Oct. 16, 1967
		6 each	24" Stainless Steel Magazine Tubes, 7/16" O.D., 0.032" wall thickness. (DPM 779 Pt. 2)	12.90	
Wilcoxon Screw Machine Co.	Misc. 8789	2,500 each	Stainless Steel Penicillin, .5125 O.D., .343 I.D., .400 length (DPM 779 Pt. 1)	125.00	Philadelphia 2/1 2008 Sept. 9, 1967
		1,000 lbs.	Tergitol (emulsion breaker) in drums suitable for export. (UC-571)	587.45	Battery - 2/1 20 Dec. 16, 1967
Robert Berry Co., Ltd.		1 each	Seitz Filters, size 100 ml. (UC-579)	21.05	Marquette - 2/1 20 Nov. 21, 1967
		1 each	Constant Temperature water baths, type for lab. assay work "Treas", size 160, 220 Volt. (UC-579)	171.15	Marquette - 2/1 20 Nov. 21, 1967
1 Burr Scientific Co., Ltd.		1 each	Lab Freeze-dry set-ups as per sketch provided Fisher Scientific Co. by Mork. To include manifold connecting flasks and 2 trans/set. (UC-579)	152.75	Marquette - 2/1 20 Nov. 21, 1967
		1 each	Barnstead Still, capacity 10 G.P.N., steam heated. (UC-579)	282.20	Not Yet Shipped UC-579

SHIPMENT OF SUPPLEMENTAL MATERIALS TO POLAND  
C.I.B. - B1887/UC 239/77  
EMERGENCY SPARE PARTS LIST

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QUANTITY		Serial	Quantity	MATERIAL		Value	REMARKS
		No	Ordered				
Pennwalt Rubber Co. (cont.)		Miss.					Marshall
		0014					2/1 2003
							Rev. 15, 1967
						\$ 800.00	
<hr/>							
Star & Porter Co.	Miss.	3 each	2 each	Master Enclosed Flocculators to have the following specifications: <u>METERING INSTRUMENT</u> , Figure # 734, Meter Size: 11, Connection size: 3/4, Connection type & Rating: Flanged Flat face; Material of fitting: Bronze; Float Guide: Patented "Dead Guide" tube with 3 raised glass ribs to center and to guide the float; Packing: Neoprene; Connections to Face: Inlet-left, Outlet-right, unless otherwise specified; Panel Mounting Fittings: None; metering tube: B145B, headed, 250 mm. scale; Type of scale & units: Direct reading; Float specifications: B6-11-1 of stainless steel. <u>FLUID SPECIFICATIONS</u> : Fluids: Air, Color & Transparency: Transparent; Specific Gravity: 1.00; Operating Pressure: Atmospheric; Operating Temperature: 70°F. <u>FLOW RANGE</u> : Maximum Flow: 200 CFM, Minimum Flow: 20 CFM. To include outline drawings and pressure correction curves. (DPMD 779 Pt. 4)		445.00	Palsteria 2/1 200 Sept. 26, 1967
			3 each	Master Enclosed Flocculators to have the following specifications: <u>METERING INSTRUMENT</u> , Figure # 735, Meter Size: 6, Connection Size: 1/4, Connection type & Rating: screwed, Material of fitting: Brass; Float Guide: Patented "Dead Guide" tube with 3 raised glass ribs to center and to guide the float; Packing: Neoprene; Connections to Face: Inlet-left, Outlet-right, unless otherwise specified; Panel Mounting Fittings: None; Metering Tube: B612B, headed, 250 mm. scale; Type of Scale & units: Direct reading; Float specifications: B6-6B of stainless steel. <u>FLUID SPECIFICATIONS</u> : Fluids: Air, Color & Transparency: Transparent; Specific Gravity: 1.00; Operating Pressure: Atmospheric; Operating Temperature: 70°F. <u>FLOW RANGE</u> : Maximum Flow: 200 CFM, Minimum flow 1.4 CFM. To include outline drawings and pressure correction curves. (DPMD 779 Pt. 4)		194.00	



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SUPPLEMENTARY REPORT  
SHIPMENTS OF PIPES AND FITTINGS FOR PENICILLIN EQUIPMENT TO POLAND

CONTRACTOR	QUANTITY SHIPPED	MATERIAL	FIN US VALUE	SHIPMENT
Greene & Co., Ltd.	UC b13	756 1" 1" type 304 C.D. stainless steel seamless tubing	1,273.46	AMADARIO VICENTE B/L #3 Dec. 24/47
		302' 2 1/2" 2" type 304 C.D. " " "	939.52	
The following items were all shipped on the Batony, B/L #U 1, January 22, 1948 packed in 6 boxes, gross weight, 1,723 lbs., value \$1,760.37				
	65	1" #1890 stainless steel unions		
	6	1 x 1/2 #1886 stainless steel hex. bushings		
	4	1 1/4 x 1 " " " "		
	6	1 x 1/2 " " " "		
	4	2 x 1 1/4 " " " "		
	6	1/2 x 1 1/4 " " " "		
	2	2" #1880 stainless steel gate valves SCD		
	11	3" #352 x std seamless steel 90° welding elbows		
	12	4" " " " " " "		
	16	6" " " " " " "		
	22	1 1/4" 355 1/2 all iron SCD globe valves		
	50	1 1/2" #355 all iron SCD globe valves		
	26	1 1/2" " " " " " "		
	13	2" " " " " " "		
	46	3/4" " " " " " "		
	3	1 1/4" #468 all iron SCD gate valves		

The following items were all shipped on the Batony, B/L #U 2/1 1948, February 19, 1948 packed in 26 boxes, gross weight, 10,844 lbs., value \$4,435.12.

200	1/2 x 1 1/2" Sq. Hd. carbon steel machine bolts with hexagonal nuts
50	1 1/2" #519 blk M.I. R. unions
50	1 1/4" " " " " "
25	1 1/2" " " " " "
60	3/4" " " " " "
100	1" " " " " "
50	1 1/2" #519 Galv. M.I. R. unions
24	1 1/2" Std. blk. C.I. Tees
50	1 1/2" " " " " "

Item No.	Quantity Ordered	Material	Value	Remarks
1	210 feet	1 1/2" black iron, threaded and coupled	9.12	
2	315 feet	1 1/2" " " " " " "	18.17	
3	252 feet	3/4" " " " " " "	18.60	
4	158 feet	1 1/2" galv. pipe	15.07	Not yet shipped
6	420 feet	1" galv. pipe	96.92	
8	105 feet	1 1/2" black pipe	14.60	
9	126 feet	1" galv. pipe three feet and coupled	22.77	
13	63 feet	3" black pipe, plain ends	65.08	
15	84 feet	5" x 25 lbs. black pipe, plain ends	142.48	
16	10 feet	1 1/2" x 15 lbs. black pipe, plain ends	66.86	
3	243 feet	3/4" black iron, threaded and coupled	18.30	
5	600 feet	1" " " " " " "	62.78	
6	1,180 feet	1" galv. pipe	198.84	Not yet delivered
7	790 feet	1" stainless steel 30. 30th pipe, seamless	1,470.75	
10	67 feet	2" galv. iron, threaded and coupled	171.66	
11	300 feet	2" stainless steel 30. 30th pipe, seamless	1,098.00	
12	100 feet	3" black pipe, plain ends	44.81	

UNITED STATES DEPARTMENT OF JUSTICE

U.S. A-1734/1-266

# History of the County of Los Angeles

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REMARKS

QTY

UNIT

UNIT

QTY

UNIT

75	1"	Std. B.I. Tee
12	1/4"	"
12	1/2"	Std. B.I. Tee
12	3/4"	"
12	1"	"
50	1 1/4"	"
75	1 1/4" x 1 1/4" x 1/4" Std. B.I. Tee	
6	1 1/2" Std. B.I. Tee	
150	2"	"
50	1 1/2"	"
50	3/4"	"
100	1"	"
150	1 1/2"	Std. B.I. Tee
50	3/4"	"
40	1"	"
20	1 1/4"	"
75	1 1/2" x 1 1/2" Std. B.I. Tee	
17	1"	"
1	1 1/4" x 1 1/4" Std. B.I. Tee	
1	1 1/4" x 1 1/4" Std. B.I. Tee	
2	1 1/2" Std. B.I. Tee	
1	6"	"
1	6" x 1 1/2" Std. B.I. Tee	
1	6" x 1 1/2" Std. B.I. Tee	
1	6" x 1 1/2" Std. B.I. Tee	
2	6" x 1 1/2" Std. B.I. Tee	
2	6" x 1 1/2" Std. B.I. Tee	
75	3" x 1 1/2" Std. B.I. Tee	
12	2" x 1 1/2" Std. B.I. Tee	
1	4" x 1 1/2" Std. B.I. Tee	
6	1 1/2" Std. B.I. Tee	
45	1 1/2" Std. B.I. Tee	
2	1 1/2" Std. B.I. Tee	
26	1 1/2" Std. B.I. Tee	
20	1 1/2" Std. B.I. Tee	
1	1 1/2" Std. B.I. Tee	

Sparreholm B/L 801 Feb. 19, 1948  
(continued)

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SHIPMENTS OF AIRCRAFT PARTS AND EQUIPMENT TO SPAIN

SHIPMENT

DATE

QUANTITY

DESCRIPTION

REMARKS

60	all iron gate valves		
40	all iron gate valves 7 1/2" x 7 1/2" air under water tested		Sparrows B/L 801
80	all iron gate valves 7 1/2" x 7 1/2" air under water tested		Feb. 19, 1948 (continued)
11	all iron gate valves 7 1/2" x 7 1/2" air under water tested		
40	all iron gate valves 7 1/2" x 7 1/2" air under water tested		
4	all iron gate valves 7 1/2" x 7 1/2" air under water tested		
25	all iron gate valves 7 1/2" x 7 1/2" air under water tested		
65	all iron gate valves 7 1/2" x 7 1/2" air under water tested		
100	all iron gate valves 7 1/2" x 7 1/2" air under water tested		
20	all iron gate valves 7 1/2" x 7 1/2" air under water tested		
40	all iron gate valves 7 1/2" x 7 1/2" air under water tested		

SHIPMENTS OF PIPES AND FITTINGS FOR OFFSHORE EQUIPMENT TO IRELAND

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QUANTITY	UNIT	REMARKS
Shipped		

Steel Supply Company

The following piping was shipped on the WILLIAM L. HANCOCK 3/1 2025, January 9, 1964, total value \$108,22.

1	210 ft.	3/4" black pipe, threaded and coupled
2	215 ft.	1/2" " " " " " "
3	252 ft.	3/4" " " " " " "
4	168 ft.	3/4" galv. " " " " " "
5	240 ft.	1" " " " " " " "
6	109 ft.	1 1/4" black pipe threaded and coupled
7	126 ft.	1 1/4" galv. pipe threaded and coupled
8	65 ft.	4" black pipe plain ends threaded and coupled
9	93 ft.	4" x 25 lbs. black pipe, plain ends
10	20 ft.	12" x 50 lbs. " " " "

The following piping was shipped on the WILLIAM L. HANCOCK 3/1 2025, February 6, 1964, total value \$2,595.20

1	147 ft.	1/2" black pipe, threaded and coupled
2	210 ft.	1" " " " " " " "
3	786 ft.	1" galv. pipe threaded and coupled
4	31	1" stainless steel No. 304 pipe, seamless
5	104 ft.	2" stainless steel No. 304 pipe, seamless
6	69 ft.	3" black pipe, plain ends
7	65 ft.	4" " " " " " "

The following piping was shipped on the WILLIAM L. HANCOCK 3/1 2025, February 6, 1964, total value \$322.46

1	147 ft.	3/4" black pipe, threaded and coupled
2	210 ft.	1" " " " " " " "
3	210 ft.	1" galv. pipe, threaded and coupled
4	66 ft.	4" black pipe, plain ends
5	91 ft.	6" black pipe plain ends

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IS PLANT-TEST REPORT  
 SUMMARY OF PIPES AND FITTINGS FOR FACILITY 17, PHASE 1

CONSTRUCTION	ITEM	No.	Quantity	MATERIAL
			Shipped	

Black Supply Company

The following piping is in New York to be loaded on the first available vessel. Total value \$198.46.

3	210 ft.	1" black pipe, threaded and coupled
6	210 ft.	1" galv. pipe, threaded and coupled
10	105 ft.	2" galv. pipe, threaded and coupled
13	113 ft. 5"	1" black pipe, plain ends

The following items are to be delivered by February 30, 1948 and will be shipped as soon as possible. This will constitute the last and final shipment of piping and fittings for the semiautomatic plant. Total value \$198.46.

6	270 ft.	1" galv. pipe, threaded and coupled
10	270 ft.	2" galv. pipe, threaded and coupled
14	21 ft.	5" black pipe, plain ends
15	67 ft.	6" x 25 lbs. black pipe, plain ends

97.11



SHIPMENT OF EQUIPMENT IN 3 SHIPMENTS TO UKRAINE  
 C.3.B. P-1758/UC-266

Page 3

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	PAID US Value	SHIPMENT
Canadian Ingersoll Rand Co. Ltd.	AL-2959	1	14x11 Canadian Ingersoll Rand Class NS 1 - HL Class 2 construction air compressors complete with accessories (price inclusive):		
		1 ea.	Filter, Air Inlet ) these two items not included		
		1 "	Smudgers, Intake ) in original shipment on Askold but later shipped SS Baku b/l 1205, Dec. 24/47		Askold May 31, 1947 B/L 1258
		1 "	Receiver, Air, 42" x 10"	\$8,908.65	
		1 "	After Coolers, 88 RM-2, with safety valves"		
		1 "	Motor, 60 H.P., 380/220V, 3 phase, 50 cycle		
		1 "	Compensators, Starting, for above 60 H.P. motor		
	PA-1	1	14x7 Canadian Ingersoll Class NS 1 pump and accessories (price inclusive):		
		1 "	Motor, 20 H.P., 380/220 V. 3 phase, 50 cycle including starting compensators		
		1 "	Bases, Sliding, for above motor		
Canadian Westinghouse Co. Ltd.	AL-3011 PA-1	2	15h.p., 3 phase, 50 cycles, 1500 RPM, 380/220 volt 4000 rise, protected type H.S. squirrel cage induction motors with normal starting torque and low starting current and 10 only bases for motors complete with starters.	\$ 496.04	Cheloukinets Oct. 3, 1947 B/L 1208
Leland Electric Canada Ltd.	AL-3012 PA-1	3	Motors, 3/4 or 1 H.P. 380/220 V. 3 phase, 50 cycle.	\$ 122.00	Frederick Engels Apr. 22, 1947 B/L 1230
The Smart Turner Machine Co. Ltd.	AL-3013 PA-1	1	1 1/2 HP side suction centrifugal pump, standard fitted with open type iron impeller, ball bearings, direct connected to 1 1/2 H.P. 3 phase 50 cycle, 220/380 volts, 1500 RPM standard impregnated protected type motor, together with manual starting switch having thermal overload protection	\$ 157.77	Svesaples July 19, 1947 B/L 1224

SHIPMENTS OF PENICILLIN IN EQUIPMENT TO UKRAINE

ON

C.Z.B. B-1758/UC-266

Page 2

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
The Canadian Fairbanks Morse Co.	AL-3012	2	Fairbanks-Morse 1 1/2", Figure 5531, all iron centrifugal pumps mounted on base and direct connected through flexible coupling to and including an Electric Temper & Equipment Company 3 h.p. 3 phase, 50 cycle, 380/220 volts, 1500 RPM., 50°C rise, standard protected type electric motor		Synsamples July 19, 1947 B/L 1223
	AL-3014	1	Fairbanks-Morse 1", Figure 5531, all iron centrifugal pump mounted on base and direct connected through flexible coupling to and including an Electric Temper & Equipment Company 1 1/2 h.p. 3 phase, 50 cycle, 380/220 volt, 1500 RPM., 50°C rise, standard protected type electric motor.	\$ 833.96	
Taylor Instrument Companies of Canada, Ltd.	AL-3015 PA-1	1	Thermometer, Instrument Recording, #76, #223 Taylor, 2 pen Record, with left and right tube system, 20ft. leads, with a 33" rigid 18-888 stem and union connection assembly. Range of instrument, 0-225°F., with over-range protection D chart No. OP-136.		Alfred Victory Jan. 3, 1947 B/L 9
		1	Thermometer, Recording, 2 pen, chart (same as above except for 10' leads & 22-3/4" stem).		
		1	Thermometer, Recording, 1 pen, (same as above except for 10' leads & 22-3/4" stem).	\$ 654.83	
Delamere & Williams Ltd.	AL-3016 PA-1	2	Type "FV" Agitators having 1/2 h.p., 380/220 volt 3 phase 50 cycle, 1500 RPM open protected motors stainless steel shaft, and propeller for use in tank 45" dia. x 4ft deep.	\$ 128.86	Synsamples July 19, 1947 B/L 1221
The Toronto Iron Works, Ltd.	AL-3055 PA-1	2 3	Tanks, 7' x 15' Tanks, 40" dia. x 3' 2 5/8" plain steel complete with reducer motor coupling and slow coupling 90 RPM		Bahn May 21, 1947 B/L 1215
General American Transportation Corp.	TP8-2733	2	Turbo-Mixers, impellers, quadruplex for agitation without motors. (UA 1687)	\$6,905.02 \$1,687.60	Bahn May 21, 1947 B/L 1211
Anti-Biotics, USDA Food & Drug		1 1	Sample pure penicillin O crystal form 1667 Sample pure penicillin K crystal form 85% (non-standard) turned over to trainees.		

## SHIPMENT OF PENICILLIN EQUIPMENT TO UKRAINE

Page 3

C.S.B. B-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Anti-Biotics, USDA, Food & Drug (continued)		1	Sample standard streptococcus aureus 209P		
		1	Sample Bacillus Subtilis SD PCI-220		
		1	Sample penicillin chrysogenum 1984 B22		
		1	Sample penicillin notatum 632		
		1	Sample Bacillus Doves Dubos B-41		
Northern Regional Research Lab.		1	Sample BREL 1612		
		1	Sample X-1612 in soil		
		1	Sample culture E		
Madison Wisconsin		1	Sample culture Q176		
		1	60" dia. by 15'-0" long storage tanks welded construction made of 3/16" steel plate in shell 1/2" flatheads, with 16" belted manhole four 2" screwed outlets and two 1/2" in each head. Painted two shop coats of paint outside only, all outlets to be plugged for shipping	\$ 270.88	Turned over to Trainees Greedy S. Hayes Dec.23, 1946 B/L 18
Pendell Boiler Ltd.	AL-3017	1			
Toronto Coppermithing Co. Ltd.	AL-3056	1	50 gal. SS covered tanks with Conical Bottom & SS cooling coil	\$ 434.36	American Victory Dec.13, 1946 B/L 35
	PA-2		(This tank shipped without agitator & Thermometer) (The agitator & thermometer for above tank was shipped with 350 gal. Tank Contr. AL-3107)		Frederick Engels Apr.22, 1947 B/L 1251
	AL-3056 PA-2	120	Trays (Aluminum or Copper Construction) with individual compartments like egg crates for holding vials during freezing and drying	\$1,443.92	American Victory Dec.13, 1946 B/L 36

## SHIPMENTS OF PENICILLIN EQUIPMENT TO UKRAINE

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C.S.B. 3-1758/UC-266

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAIR US Value	SHIPMENT
Taylor Instrument Co.	Al-3058 PA-2	2 only	Single Pen Taylor Recording Thermometers Chart No. OP 3502, Range 0-200°F. 10' lead, 18-888 Accuratus Tubing stem length 24" with one Trico Air Filter and one air reducing valve #5 and one Taylor Mono Steel Even Action Diaphragm valve.		American Victory March 24, 1947 B/L 3
	Al-3058 PA-2	4 only	Single Pen Taylor Recording Thermometers Chart No. OP 3502, Range 0-100°F. 10' lead, 18-888 Accuratus Tubing, stem length 20" with one Trico Air Filter and one air reducing valve #5 and one Taylor Mono Steel Even Action Diaphragm valve.	\$1,922.32	
Denison Bridge Co., Ltd.	PA-2 Al-3057	4 only 2 only	Taylor Gauge Thermometers Autoclaves for steam sterilizing of Penicillin Vials, diameter 30", length 7'.	\$1,691.80	American Victory Dec. 13, 1947 B/L 31
Canadian Ice Machine Company	Al-3059	1 only	Canadian Ice Refrigerator units (Compressor & Piping)	\$ 541.76	Chernogov Nov. 14, 1947 B/L 1203
English Electric Co. of Canada Ltd. Al-3060 PA-3		2 only	Squirrel Cage Motors, Frame 326, 1ph.p. 1500 RPM 220/380 volt, 3 phase, 50 cycle, 50°C. Rise, continuous rated, protected type, with antifriction bearings and with Sliding Base but without pulley	\$ 414.26	Svensenables July 19, 1947 B/L 1220
United Steel Co. Ltd.	Al-3108	10	Belt Drive, Belt, Dodge V., for 15 h.p. motor, belt and pulley to fit on motor		Not yet shipped Availability UN 6137
		4	Shafts	\$ 180.53	
Toronto Coppermithing Co. Ltd.	Al-3107 PA-1	2	Can Corn Oil, 10 gal., complete with gauge and safety valve.	\$ 693.83	Frederick Engels Apr. 22, 1947
Toronto Coppermithing Co. Ltd.	Al-3107	1	Tank, 350 U.S. Gallon Stainless Steel with Cover	\$ 570.27	B/L 1251

## SHIPMENTS OF PENICILLIN EQUIPMENT TO UKRAINE

ON

C.I.B. - B1887/UC 289/77

CONTRACTOR	Serial Number	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Richardson Agencies, Ltd.	AI-3018	1 only	Tanks, closed, 200 U.S. gal. 42" IDx36" jacketed glass lined with 2" insulation and steel sheathing, with agitator and 3/4 h.p. explosion proof motor and drive.	\$3,712.27	Cosur D'Alene Victory Jan. 25, 1947 B/L 33
	PA-1	3 only	Tanks, SS, 400 U.S. gal. 48" x 60" with agitator and 1 h.p. explosion proof motor.	9,036.61	Aschold May 31, 1947 B/L 12819
	PA-1	1 unit	Distillation unit, glass lined, pfundler, consisting of 50 gal. glass lined kettle, pfundler #5-51449, and 50 gal. glass lined receiver pfundler #5-51451, and SS tubular condenser. Pfundler #5-51450.	\$1,727.15	Victory Jan. 25, 1947 B/L 33
	PA-1	2 only	Tanks, mix, 50 U.S. gallon, glass lined, jacketed 24" ID x 29" insulated, steel sheath, with agitator and 1 h.p. explosion proof motor.	\$3,168.52	Aschold May 31, 1947 B/L 1284
	PA-1	3 only	Tanks, buffer, 200 gal. SS, 40"x38-5/8" with agitator and 3/4 h.p. explosion proof motor revised design of tank bottom and add baffles. (shipped loose valves)	\$6,329.37	Boada March 15, 1947 B/L 1228
	PA-1	1 only	Tanks, 100 US gallon, glass lined, jacketed, insulated and steel sheathed with agitator, baffle and 3/4 h.p. explosion proof motor.	\$1,824.01	Vladivostok May 15, 1947 B/L 1228
	PA-1	2 only	Tanks, 50 U.S. gallon, glass lined	\$3,283.60	General Chernomakhovsky June 30, 1947 B/L 1223
Whiting Corp., Ltd.	AI-3019	4	Sharples 16" Super Centrifuge Vapour Tight Model	\$16,919.34	Aschold May 31, 1947 B/L 1235
	PA-2	1 Set	Pressurite belt drive with explosion proof motors 6 separating bowls, 1 clarifying bowl, all SS  Sharples Laboratory Model Centrifuge direct drive SS bowls, 1 clarifying, 2 separating		

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Fischer and Porter Company	Al-2025	1 only	Broth Rotometers		Crosby S. Moyes
		1 only	Acetate Rotometers		Dec. 23, 1947
W.A. Coyle, J.P. Devine Mfg. Co. Division, R.K. Porter Co., Inc.		1 only	Phosphoric Acid Rotometers	\$ 429.39	B/L 12
	Al-3024	1 only	Rotometers for water		(2 each) Chelustiknets
	PA-2	5 only	Special No. 1A Devine Vacuum Chamber Driers, each Cabinet to have 5 or 6 shelves.	\$ 4,586.09	Oct. 30, 1947 B/L 1214 (3 ea.) Chelustiknets Oct. 30, 1947 B/L 1204
Canadian Laboratory Supply	Al-3020	1 only	International size 2 oil testing centrifuge with 267 A Mitar head	\$ 512.10	Sveasles July 19, 1947 B/L 1222
		2 only	Model 40 US 50-10 Brewer Automatic Pipetting Machine	\$ 360.87	American Victory Dec. 13, 1946 B/L 34
P.S.B. Howard & Co., Ltd.	Al-3022 PA-2	1 only	Elliot Four-stage steam with intercondenser operating 115 lb. steam pressure		Baku May 21, 1947 B/L 394
		1 only	Elliot three-stage steam ejector for use in starting operations.	\$ 1,050.07	
John Inglis Co., Ltd.	Al-3109 PA-3	1 set	Pump, set, consisting of: 1 each Acetate Pump 1 each Broth Pump 2 each Strong Acetate Transfer Pumps 1 each Spent Acetate Transfer Pumps 1 each Wash Tanks & Solvent Filling Pumps 1 each Chloroform Pumps 1 each Spare Pumps (10 gpm 25-30 ft. Head gear pumps, 3/4 h.p. motors explosion proof SS gears, cast steel casings or equivalent. Acid pump gear pump, 10 gpm., 30' head, hard rubber 3/4 h.p. explosion-proof		Chelustiknets Oct. 3, 1947 B/L 1209
	Al-3109 PA-3	1 set		\$ 2,872.00	

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Canadian Ingersoll Rand Co., Ltd.	AI-2958 PA-3	1	4 ft. diameter by 2 ft. face bird Young Universal filters all in accordance with proposal M-9913 Exp. 1773 of March 7.	\$7,258.40	American Victory
Richardson Agencies, Ltd.	AI-3045 PA-4	3	60x66" vertical pfauler glass-lined steel storage tanks furnished with 2" cork insulation completely covered with a 3/16" manhole and supporting legs. 2-3" openings and 1-2" opening	(1 tank) \$7,258.40 (2 tanks) \$5,566.97	Donal 13, 1946 B/L 17 Terre Haute Victory Jan. 8, '47 B/L 17 Cour d'Alene Victory Jan. 25, 1947 B/L 32
	AI-3045 PA-4	1	Pfauler Heat Exchangers (fixed tube sheet type as on pages 8 & 9, pfauler Condenser Manual No 837, type 304 stainless on the tube side and plain carbon steel on the shell side. Dimensions "J" for broth 2" flanged, for coolant circulator 3" flanged. Tubes are type 304 stainless 66 c/4" OD 18 gauge 12" o" long, 3 tube sheets 3/4" thick design pressure 75 lbs. 1 sq. in. shell and tube sides.	\$1,740.58	Askold May 31, 1947 B/L 1290
Chester A. Olson Co. Washington	CP 3599	5	Pumps, 3 to 10 gpm, operating at a total working head of 20', 1 1/4" 1/4-4 electropump, fitted for 1-1/4" suction and 1" discharge and powered by a 50 cycle 220/440 volt, 2 pole electric motor	\$1,740.58	Christopher Gadsden May 12, 1947 B/L 9-3
L. & M. Industries & Trading Corp. Harold Rator	TS 1257	5	Cold Storage Unit Complete. Each unit to be complete with two self-contained refrigerating units and each refrigerating unit to have individual compressor, 3 (3 h.p., 3 phase, 220 volt, 50 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. Each storage compartment is to have two swinging doors. The cold storage box approx. dimensions: 12'10" by 24'4" by 7'6", to be made up of sections. The refrigerating unit should be fully self contained and manufactured in such a way that it would be possible to use them singly or in pairs. Units should be controlled from an integral control panel. Total capacity approx. 2340 cubic ft With spare parts. (Us 2855)	\$418.00	Christopher Gadsden May 19, '47 B/L 0-15 3 (3 refrig. units & 2 refrig. cabinets) (1 refrig. cabinet (short shipped in Gadsden) shipped to Marseille France Ford Rhodes July 21, '47 & transhipped to American Victory for Constanza Sept. 11 - Transhipped again from Constanza to Odessa.)

(1 set of Spare Parts) General Chertakhoysky  
June 30, 1947  
B/L 1208

\$6,435.00



## SHIPMENT OF PENICILLIN MATERIALS TO UKRAINE

C.E.B. B-1887/UC 289/TF

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CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
John Arman Air Conditioning Co., Inc.	TS-1258	8	Refrig. unit, self contained, portable, complete with carrier compressor, 3h.p. 220 volt, 50 or 60 cycle electric motor, air cooled condenser, blower type water defrosting evaporator. B.T.U. capacity with freon. 100 degree Ambient at 25 degree refrigerant - 19,000 B.T.U./hr. 100 degree Ambient at 10 degree refrigerant 8,950 B.T.U./hr. unit furnished should be same unit used with storage box above, with spare parts. (UA 2855)	\$6,116.00	Vladivostok May 19, 1947 B/L 1212
F.J. Stokes Co.	CP-3492	5	Vacuum Gauge, McLeod	\$ 400.00	Michael Fumse Feb. 25, '47 B/L 1246
The West Co., Phila., Pa.	Tps 5355 P&A 2463	1,000,000 bottles	Stoppers, soft rubber, to fit 20cc penicillin bottles. #87 rubber stock composition, paraffined, to be stopper S-29. (UA-191/P91-LES-6)	\$4,235.00	General Chernakhovskiy June 30, 1947 B/L 312
The West Co. Phoenixville, Pa. (Richardson Agencies)	812	1 each	Machine, capping, semi-automatic with 3h.p. 60 cycle, 110/220 volt, AC motor, turret type Westcap, per designed to cap & crimp 20 mm size, triple seal aluminum caps of penicillin bottles, at the rate of 60 to 100 per minute. (UC 364)		Not yet shipped A. alabaility UN - 5064
	812	500,000 500,000	Triple Seal Aluminum Caps Single Seal Aluminum Caps	\$ 4,720.17	
Aluminum Co. of America	Tps 5465 P & A 2224	1.100,000 ea.	Closures, aluminum, 20mm; size fitting No. S-29 rubber stopper for penicillin bottles 3 piece combination stericap, Aluminum Co. of America No. 20-120, (UA-191/P91 - LES-6)	\$5,030.63	General Chernakhovskiy June 30, 1947 B/L 311
Wheaton Glass Co.	Tps 5123 P & A 2172	6,954 gross	Vial, glass, borosilicate, practical fill 20cc fill to base of neck, 240cc; O.D. 32mm. height 58mm. I.D. of neck 12mm. To be USP type 1 glassware Model No. 5-205. (UA-191/P91 - LES 5)	\$23,221.27	Bahn May 21, 1947 B/L 361

## SHIPMENT OF PENICILLIN MATERIALS TO UKRAINE

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CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Corn Products Refining Co.	Tps 542	75,374 lbs	Steep water. Available from Corn Products Refining Co. 17, Battery Pl., N.Y. (UA-191/P88) D & C-21/190 tons)		Baku May 21, 1947
	P & A 2212			\$3,328.88	B/L 335
	35	Same as above		\$2,776.00	Cancelled
<b>Short tons</b>					
Mallinckrodt Chem. Works	Tps 6046-825	lbs.	Potassium dihydrogen phosphate (mono-basic).		General Chernathovsky June 30, 1947
	P & A 2230		Available from Mallinckrodt Chem. Works, St-Louis Mo, (UA-191/P88 - D&C-21)	\$ 326.70	B/L 311
Western Condensing Co.	Tps 6176	Lactose (milk sugar) Commercial grade in P & A 2029 117,800 lbs 100 lb. drums. (UA-191/P88-D&C-24)		\$23,972.30	American Victory March 24, 1947
Swift & Company	Tps 6312	11,504 lbs Penicillin defoaming agent (UA-2768)		\$4,978.54	B/L 48
					Medivostok May 19, 1947 B/L 1252
<b>P S&amp;A'd Out of Toledo</b>					
Out of Toledo	P&A 2044	576 pairs Dish, Petri, top 100 x 15 mm. bottom 9x15mm free			Baku May 21, 1947
		200 lbs. Phenol, USP, fused (acid carbollic)			B/L 364
		200 lbs. Magnesium Sulphate crystal		\$36.14	
New Zealand Govt. Contract	UZ 3/6	2 long tons	Lactose B.P. Standard	704.00	Shipment made from New Zealand during January 1947

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
J.T. Baker Chemical Co.	Tps.437 P & A 2478	16,900 lbs	PENICILLIN DEHAOS Chloroform, technical, avail, from dew Chem.Co. Midland, Michigan (UA 191/P88-MC-21)	\$1,160.30	General Chernakovsky June 30, 1947 B/L 1286
Robert Berry & Co. Ltd.		22,320 lbs	Phosphoric Acid, 85% USP, Syrupy. Not available from American Agri.Chem.Co.(UC-517)-Marok	\$6,021.06	Baku B/L #212 Dec. 24, 1947
British Govt. Contract	PC 383	1,000 lbs	Acid Phenylacetic (HBO)	\$1,106.25	BELOOSTROV B/L #32 Oct. 7/47 from England
J.T. Baker Chemical Co.	TS 1070	400 lbs	Sodium Hydroxide C.P. reagent, sticks UA-3041	\$ 132.00	Svesaples July 19, 1947 B/L 1201
Robert Berry & Co. Ltd.		14,800 lbs	Sodium Hydroxide, technical flakes. 100% pkg. (UC-517)	\$2,980.56	Not Yet Shipped Availability UN 6150
P.V.R. Export Corp. N.Y., N.Y.	OP 3952	9 lbs	Acid Sulphuric C.P. concentrated, C.P. CP	\$ 1.40	Frederick Engels April 22, 1947 B/L 1289
Difco Lab., Inc.	TS 1071	8x100 grams	Cistine L - Cystin - UA 3041	\$ 74.80	Askold - May 31, 1947 B/L 1282
Ingram & Bell, Ltd.	UC 517	2.12 lbs	Trypsin 1.75 Pancreas substance	\$ 820.00	Not Yet Shipped Availability UN 5673
Difco Labs., Inc.	TS-1071	10 kilos	Pancreatic Extract (dried pancreas) UA-3041	\$ 242.00	Askold - May 31, 1947 B/L 1282
Mallinkrodt Chemical Works	OP-3951	2 1/2 lbs.	Forric Tartrate C.p	\$ 6.68	Askold - May 31, 1947 B/L UN 1289
Difco Lab., Inc.	TS-1071	12 lbs.	Beef extract UA-3041 (Beato)	\$ 56.50	Askold - May 31, 1947 B/L 1282
Ingram & Bell, Ltd.		1 lb.	Clarazo (Diastase) USP IX (UC-517)	\$ 5.27	Not Yet Shipped Availability UN 5942
W. Va. Pulp & Paper Co.	TS-1069	650 lbs.	Nuchar C 190 N UA-3041	\$ 193.05	General Chernakovsky June 30, 1947 B/L 1211
J.T. Baker Chemical Co.	TS-1070	1,260 lbs.	Sodium Sulphate, anhydrous C.P. UA-3041	\$ 352.80	Cancelled
Cave & Co. Ltd.	217	600 lbs.	Glass wool, lead free and borax free, fine.0002 to. 0003 in. Pyrex high stability.(UC-507)	\$1,093.25	Not Yet shipped Availability UN 5664

SHIPMENTS OF PENICILLIN MATERIALS TO UKRAINE

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CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
<b>Penicillin Drugs (Cont'd)</b>					
Czechoslovakian Govt. Contract (B.R.O.)	PC-354	4,719 tons	Sodium nitrate USP VIII 0.3%	\$2,808.91	Shipped from Prague to Kiev - June 30, 1947 - EEO
P.M.R. Export Corp., N.Y.	OP-3952	40 oss.	Acid, Para-aminobenzoic OP	\$ 82.25	Frederick Engels April 22, 1947 B/L 1238
Ingram & Bell, Ltd.		50 grams	Crystal Violet 8% Naoto (UC-517)	\$ 2.17	Not Yet Shipped Availability UN 5765
Difco Lab., Inc.	TS-1071	50 lbs.	Agar, granular or shreds, USP (UA-3041)	\$ 302.50	Ankhold - May 31, 1947 B/L 1282
Ingram & Bell, Ltd.		1,100 gms.	Sodium Thyroglycolate (UC-517)	\$ 38.71	Not Yet Shipped Availability UN 5765
		22 lbs.	Casein powder	\$ 16.50	CANCELLED
		20 oss.	Oil Immersion cedarwood, USP reagent	7.00	
		25 lbs.	Sodium hypochlorite Solution USP	8.75	
Cass & Co. Ltd.	1515	2 each	Liquid Air trap Pyrex, O.D. 28 mm dia. of connecting tube - 20mm (UC-517)	\$ 42.20	Not Yet Shipped Availability UN 6063
Standard Oil Co. of N.J.	OP 3954	5 gals	Bearing lubricating oil, Pure paraffin oil, Viscosity 100 - 125 SSU 100	\$ 12.50	Ankhold-May 31, 1947 B/L 1238
		5 yds.	Plastic tubing (Vinylite) O.D. 1" 1/16 inch wall	\$ 15.00	CANCELLED
Whelose Instrument Co.	TS-740	2 ea.	Controls, thermostat, 50° - 100° F. Capacity 110 C.F. (UA-3059)	\$ 558.78	Ankhold - May 31, 1947 B/L 1216
Ingram & Bell, Ltd.	UC-517	5,200 lbs.	Calcium Carbonate	\$ 249.14	Not Yet Shipped Availability UN 5765

## SHIPMENTS OF PENICILLIN MATERIALS TO UKRAINE

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Approved For Release 2002/07/24 : CIA-RDP80-00926A003700020008-3

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Sharples Corporation Philadelphia, Pa.	QP-3664	40 ea.	Bolts, Sharples Super Centrifuge (QP-4D-719)	\$120.00	American Victory B/L 9 March 24, 1947
Gema Instrument Co., Inc.	TS-633	2 sets	P.H. Motors, Lub. Model, Gamm Automat with accessories (UA-3024)	\$392.98	Askold - B/L 1264 May 13, 1947
Canadian Ingersoll Rand Co., Ltd.		6 ea.	Carbon rings. Replacements for 14 x 11 Ingersoll Rand Glass Es-1-NL Class 2 construction air compressors (UC-517)	\$139.53	Chernigov - B/L 1201 Nov. 25, 1947
Cave & Co. Ltd	1470	1 ea.	Water distillation apparatus, 3 to 5 G.P.H. (UC-507)	\$297.29	Not Yet Shipped Availability UN 5459
Fisher Scientific Co., Ltd.	1476	25 ea.	Sheets, stainless steel 2' x 8' (For Byelo. & Ukraine only)	\$100.00	CANCELLED
		5 ea.	Cylinder Freon 12	\$110.48	
Fisher Scientific Co., Ltd.	1476	20 doz.	Pipettes, Serological 5 cc ea., 1/10 graduation		Dimitri Donakoy Dec. 6, 1947
Gave & Co., Ltd.	1470	1 ea.	Flasks, volumetric, 50 cc ea. ground glass (UC-507) top & stopper.	\$14.59	B/L 1207
Gave & Co., Ltd.	1470	1 ea.	Pumps, oil, vacuum canco, Hyvac-Vac, 1/4 h.p. motor 220 V, 50 cycle, (UC 507)		Not Yet Shipped Availability UN 6152
Fisher Scientific Co., Ltd.	1476	1 ea.	Pumps, oil vacuum canco mag. Vac, V/motor 220 V, 50 cycle. (UC-507)	\$227.76	
Canadian Lab. Supplies Ltd.	1477	1 ea.	Filters, pressure Seitz Biological 10 liter capacity each with 100 filter discs. (UC-507)	\$323.13	Dimitri Donakoy Dec. 6, 1947 B/L 1207
		4 ea	Counters, Quebec Colony Cenco. MM scale (UC 507)	\$ 41.24	Rossda - B/L 1216 Nov. 1, 1947
			Platinum, loop	\$ 6.00	CANCELLED

Approved For Release 2002/07/24 : CIA-RDP80-00926A003700020008-3

SHIPMENTS ON PENICILLIN MATERIALS TO UKRAINE

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Fisher Scientific Co., Ltd.	1476	300 ft.	Tubing, rubber, heavy, wall, 1/2" exterior UC 507	\$ 40.28	Dimitrie Donaboy Dec. 6, 1947 B/L 1207
Canadian Lab. Supplies, Ltd.	1477	6 ea.	funnels, Separator, 6000 cc. stoppered globe (UC 507)	\$ 84.53	BAKU B/L 1210 Dec. 24/47
Cave and Co. Ltd.	1470	6 ea.	Funnel, Buchner, Porcelain (not jacketed) (UC 507)	\$ 78.71	Not Yet Shipped Availability UN 5469
Fisher Scientific Co. Ltd.	1476	1 ea.	Oven, single wall 220V. 50 C - AC (95X5 A) WI Dekotinsky Regulator (UC-507)	\$ 100.69	Dimitrie Donaboy Dec- 6, 1947 B/L 1207
Robert Berry & Co. Ltd.	1507	5,073 gals.	Amyl Acetate (UC 516)	\$14,113.19	3,802 3/4 Gals. Nov. 14, 1947
				\$ 3,874.61	Gals. Servaples B/L 1203 Nov. 14, 1947
			(Fire loss replacement UC 537)	\$ 842.47	Gals Not Yet Shipped Availability UN 6147

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## SHIPMENTS OF PENICILLIN EQUIPMENT - EMERGENCY SPARE PARTS LIST FOR UKRAINE

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US		SHIPMENT
				Value	Value	
Sharples Corporation						
			Sharples Centrifuge Spare Parts & Supplies for the #162 Centrifuge			
			(DPED 779 Pt. 8) \$12.00			
		( 10 gal.	Bearing Oil	"	"	\$12.00
		( 10 lb.	Neovastane Grease	"	"	\$12.00
		( 2 dos.	Ring De, gaskets #155	"	"	\$ 2.40
		( 24 each	Bowl Boss Sleeves (Monel) #40	"	"	\$79.20
		(24 dos.	Bowl Bottom Gaskets #154	"	"	\$ 6.00
		( 6 each	Bowl Protecting Caps # 325	"	"	\$ 5.40
		(36 each	Three wing springs stainless steel #576	"	"	\$ 9.00
		( 1 each	Drags, complete, stainless steel	"	"	\$228.00
		(36 dos.	Bushings #43	"	"	\$ 18.00
		( 1 each	Drag springs # 48 (stainless steel)	"	"	\$ 3.00
		( 4 each	Feed Nozzle - stainless steel, # 334	"	"	\$28.00
		(24 dos.	Feed Nozzle - gaskets #355	"	"	\$ 1.40
		( 4 each	Ferrule cap - stainless steel #413	"	"	\$36.00
		( 2 each	Ferrule body - stainless steel #414	"	"	\$66.00
		(48 dos.	Bullet catches #561	"	"	\$ 2.40
		( 2 each	Brake assembly complete, Type 3, #327	"	"	\$16.80
		( 2 each	Bearing complete - # bearing	"	"	\$90.00

RECEIVED 5713

ROSLITA  
NOV 1 1947  
MT 1210

NOV 1, 1947  
 1210  
 1211

RECEIVED  
 8713



## SHIPMENTS OF PERICIL IN EQUIPMENT - EMERGENCY SPARE PARTS LIST FOR UKRAINE

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FMS US SHIPMENT	
				Value	
Sharples Corporation					
Sharples Centrifuge Spare Parts & Supplies for the #12 Centrifuge (Continued)					
		2 each	Bearing sleeves # 67	(DPAD 779 Pt. 8)	\$ 14.40
		2 each	Sleeve nuts # 68	"	\$ 1.80
		4 each	Funnel clutch # 90	"	\$ 12.00
		12 each	Flexible cou lining # 75	"	\$ 3.60
		2 each	Bearing washers # 39	"	.60
		12 each	Ball bearings # 245	"	\$ 28.80
		12 doz.	Bearing oil filters # 721	"	.30
		4 each	Main clutch # 71	"	\$ 7.20
		12 doz.	Spindles, chrome plated, # 72	"	\$ 115.20
		4 each	Spindle - screws # 74	"	\$ 3.60
		1 each	Idler Assembly complete	"	\$ 33.00
		6 each	Idler Ball bearings # 303	"	\$ 14.40
		12 each	Belt, chart # 77	"	\$ 36.00
Intal General Electric Corp.					
		16 each	Gerimicidal Lamps, G-15TS, 18", (DP. 0779 Pt. 7)	\$ 52.92	Not Yet Delivered

MISSOURI 8743

ROSSIA  
Nov. 1, 1947  
R/L 1210

ROSSIA  
Nov. 1, 1947  
R/L 1210

MISCELLANEOUS 8743

CONTRACTOR	Serial No	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Taylor Instrument Company					
	121HN223	1 each	Taylor Fullscope Recording Temperature controller, Black case, face mounted bottom connected, 24 hour spring wound clock, reverse action; adjustable sensitivity; 12" chart, QP 4833, Range 0 - 120°C. over range protection. D, each tube system 20 ft. mercury actuated capillary; 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel 33" long including bulb, 18/8 stainless union connection including 3/4" thread hub nut; for full immersion; 100 charts, ink, etc., with all accessories, complete (DPND 779 Pt 6)	\$496.10	
	1 each	121HN223	Same as item 1, except each tube system 10' and 18/8 stainless steel bulb with rigid extension stem of 18/8 stainless steel, 22 3/4" including bulb, (DPND 779 Pt. 6)	\$478.90	
	1 each	121HN123	Same as item 1, except 1 pen and 1 contr 1 system, 10' mercury actuated tubing; 18/8 stainless steel bulb with rigid extension of 18/8 stainless steel, 22 3/4" long including bulb. (DPND 779 Pt 6)	\$254.95	
	3 each	418323	1/4" reducing valves (DPND 779 Pt 6)	\$ 21.00	
	3 each	RS 9817	Air Filter. (DPND 779 Pt 6)	\$ 19.50	
	3 each	5V0225	Taylor 1 inch Diaphragm valve, standard construction (DPND 779 Pt 6)	\$112.50	
	2 each	5V226	Taylor 2 inch Diaphragm valve, standard construction. (DPND 779 Pt 6)	\$146.00	

DATE: 12/1/47

DATE: 12/1/47  
Dec. 24/47

RECEIVED 8/10/47

## SHIPMENT OF PENICILLIN EQUIPMENT - EMERGENCY SPARE PARTS LIST FOR UKRAINE

CONTRACTOR	Serial No.	Quantity Ordered	MATERIAL	FAS US Value	SHIPMENT
Paramount Rubber Company					
Misc. 8814			<p>(1 each Batching Tanks, to be of carbon steel 3/16" plate, circular - 46" diameter, 60" high. To be mounted on 38" legs with threaded foot plates for leveling. (DPMD 779 Pt. 5)</p> <p>(2 each Air Filters (for Fermenters) Carbon steel 16" x 58" overall. Bottom 12" to be conical to 3/4" outlet equipped with globe valve, top to be flanged and removable - vessel to be constructed of 16" standard pipe and tested to 15 p.s.i. - a 16" perforated plate to be installed at base of pipe for wool support and 16" perforated plate supported by flanged top to extend inside of pipe 12". Two 2" nipples to be welded to vessel diametrically opposite about 6" from top. 2" inlet placed just below bottom perforated plate, per blueprint attached. (DPMD 779 Pt. 5)</p>	\$880.00	Mikhail Kutusov Nov. 18, 1947 B/L 1207
Fischer & Porter Company					
Misc. 8741			<p>(2 each Master Enclosed Flocculators to have the following specifications:  <u>MASTERING INSTRUMENT</u>: Figure A 736; Meter Size: 11; Connection size: 3"; Connection type &amp; Rating: Flanged Flat face; Material of fittings: Bronze; Float Guide: Patented "Bead Guide" tube with 3 raised glass ribs to center and to guide the float; Packing: Neoprene; Connections to Face: Inlet-Left, Outlet-Right, unless otherwise specified; Panel Mounting Fittings: None; metering tube: B1A25, headed, 250 mm. scale; Type of Scale &amp; units: Direct reading; Float specifications: B6-11-1 of stainless steel. <u>FLUID SPECIFICATIONS</u>: Fluid: Air; Color &amp; Transparency: Transparent; Specific Gravity: 1.00; Operating Pressure: Atmospheric; Operating Temperature: 70°F. <u>FLOW RANGE</u>: Maximum Flow: 200 CFM; Minimum flow: 29 CFM. To include outline drawings and pressure correction curves. (DPMD 779 Pt. 4)</p> <p>(3 each Master Enclosed Flocculators to have the following specifications:  <u>MASTERING INSTRUMENT</u>: Figure A 735; Meter Size: 6; Connection Size: 3/4"; Connection Type &amp; Rating: screwed; Material of Fittings: Brass; Float Guide: Patented "Bead Guide" tube with 3 raised glass ribs to center and to guide the float; Packing: Neoprene; Connections to face:</p>	\$442.00	Sergei Kirov Oct. 23, 1947 B/L 1211

## SHIPMENT OF PENICILLIN EQUIPMENT - EMERGENCY SPARE PARTS LIST FOR URAINE

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CONTRACTOR	Serial Quantity # Ordered	MATERIAL	FAS US Value	SHIPMENT
Misc. 8741		Inlet-left, Outlet-right, unless otherwise specified, Panel Mounting Fittings: Metering Tubing B6M25, beaded, 250 mm. scale; Type of Scale & units: Direct reading; Float Specifications: BQ-62 of stainless steel. [LAPID SPECIFICATIONS: Fluids: Air; Color & Transparency: Transparent; Specific Gravity: 1.00; Operating Pressure: Atmospheric; Operating Temperature: 70°F. FLOW RANGE: Maximum Flow: 20CFM; Minimum flow 1.4 CFM. To include outline drawings and pressure correction curves. (DPMD 779 Pt. 4)]	\$196.80	See Preceding Page
Mason- cillan Regulator Co.		(2 each 2" #16 Back Pressure Regulators, cast iron body, flanged ends, FAD 2504 Ex. Ry. Standard #804 18/8 Stainless Steel trim. Grease sealed lubricator, # Grease #7 case, Adjustable range 6-20 PSI, Controlling air 0-200 CFM. DPMD 779 Pt. 3)		
Misc. 8738		(3 each 1/2" #16 Back Pressure Regulators, Cast Iron body, screwed ends, #804 18/8 Stainless Steel trim, Grease sealed lubricator, # Grease #9 Case, Adjustable range 2-7 PSI Valve open above 5 PSI, Controlling air 0-25 CFM. (DPMD 779 Pt. 3)	\$492.00	RAU B/L 1203 Dec. 24/47
Robert D. Shaw Company		(1 each Standard Assay Cup Dispensers (DPMD 779 Pt 2)	\$ 90.00	Boasda Nov. 1, 1947 B/L 1203
Misc. 8737		(6 each 24" Stainless Steel Magazine Tubes, 7/16" O.D., 0.032" wall thickness. (DPMD 779 Pt. 2)	\$ 12.90	
Erleson Screw Machine Company		2,500 ea. Stainless Steel Penicylinders, .3125 O.D., .242 I.D., .400 length (DPMD 779 Pt. 1)	\$125.00	Chalustkinets Oct. 3, 1947 B/L 1202
Misc. 8739				
Robert Berry & Co. Ltd.		750 Lbs. Tergitol (Emulsion breaker) in drums suitable for export. (UC-581)	\$395.59	RAU B/L 1202 Dec. 21/47

SHIPMENT OF PENICILLIN EQUIPMENT - EMERGENCY SPARE PARTS LIST FOR UKRAINE

CONTRACTOR	Serial Quantity # Ordered	MATERIAL	PAS US Value	SHIPMENT
Fischer Scientific Co. Ltd.	1 each	Seditz Filters, size 100 ml. (UC 579)	\$21.65	Not Yet Shipped Availability UN 5814 Not Yet Shipped Availability UN 5898 Not Yet Shipped Availability UN 5814
	1 each	Constant Temperature water, type for Lab. essay work "Treas", size 160, 220 Volt (UC 579)	\$122.75	
	1 each	Lab Freeze-dry set-ups as per sketch provided Fisher Scientific Co. by Merck. To include manifold connecting flasks and 2 traps/ set. (UC-579)	\$171.18	
Fischer Scientific Co. Ltd.	1 each	Barnstead Still, capacity 10 G.F.H., steam heated. (UC-579)	\$332.29	Not Yet Delivered

**SUPPLEMENTARY REPORT**  
**SHIPMENTS OF PIPES AND FITTINGS FOR PENICILLIN EQUIPMENT TO UKRAINE**

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CONTRACTOR	Quantity Shipped	MATERIAL	FAS US	
			VALUE	SHIPMENT
Crane Limited	714 feet 317' 5"	1" stainless steel tubing type 304 2" " " " "	\$1,202.71) 986.86)	Mikhail Kutusov B/L1209

The following items were shipped in 6 boxes, gross weight, 1,201 lbs., value \$1,760.37 on the Vladivostok, BL #1201, February 14, 1948.

65	1" #1890 stainless steel unions
6	1 x 1/4" #1890 stainless steel hex. bushings
4	1 1/4" x 1" " " " "
6	1x 1/4" " " " "
4	2x 1 1/4" " " " "
6	1 x 1/4" " " " "
2	2" #3840 stainless steel gate valves SCD
11	3" #352 SCD seamless steel 90° welding elbows
12	4" " " " " " "
16	6" " " " " " "
22	1 1/4" 355 # all iron SCD globe valves
50	1" #554 all iron SCD globe valves
26	1 1/4" " " " " " "
13	2" " " " " " "
46	3/4" " " " " " "
3	1 1/4" #88 All Iron SCD Gate Valves

The following items were all shipped in 26 cases, gross weight, 10, 844 lbs., valued \$4,435.13 on the Vladivostok, B/L 1218 February 14, 1948

200	1 x 1 1/2" Sq. Ed. carbon steel machine bolts with hexagon nuts
50	1 1/2" #519 blk M.I. RR unions
50	1 1/4" " " " " " "
25	1 1/2" " " " " " "
60	3/4" " " " " " "
100	1" " " " " " "
50	1" #19 Galv. M.I. RR Unions
24	1 1/2" Std. blk. C.I. Tees
50	1 1/2" " " " " " "
75	1" " " " " " "
12	1 1/4" " " " " " "

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SUPPLEMENTARY REPORT  
SHIPMENTS OF PIPES AND FITTINGS FOR PERICILLIS EQUIPMENT TO UKRAINE

CONTRACTOR	Quantity Shipped	MATERIAL	FAS US VALUE	SHIPMENT
	12	1 1/2" Std Galv. C.I. Tees		
	12	2" " " "		
	30	3/4" " " "		
	30	1" " " "		
	36	1 1/4" " " "		
	6	1 1/4 x 1 1/4 x 3/4" Std. Galv. C.I. Red. Tees		
	190	1 1/2" Std Blk C.I. Kells		
	50	2" " " "		
	50	1 1/2" " " "		
	100	3/4" " " "		
	190	1" " " "		
	50	1 1/4" " " "		
	50	1 1/2" Std Galv C.I. Kells		
	30	3/4" " " "		
	24	1" " " "		
	36	1 1/4" " " "		
	12	1 1/2 x 3/4" Std. Blk C.I. Red Kells		
	1	3 x 1 1/4" " " "		
	1	1 1/4 x 1" Blk Shoulder Bushings		
	2	3" #525 Std Blk C.I. Kells F.F. & D.		
	1	6" " " "		
	2	6 x 3" #545 Std Blk C.I. Red Kells F.F. & D.		
	1	8 x 6" #545 " " "		
	2	2" #529 Std Blk C.I. Tees F.F. & D.		
	2	6" #529 " " "		
	52	3 x 7 1/4" Std #553 Blk C.I. Comp Flanges F & D		
	19	6 x 11" " " "		
	1	8 x 13 1/4" " " "		
	6	4 x 9" " " "		
	46	1" #488 Alliron gate valves STD		
	5	3/4" " " "		
	24	1" " " "		
	26	1 1/4" " " "		
	20	3" #473 all iron gate valve F.F. & D.		
	3	4" " " "		
	4	6" " " "		
	7	4" #473 all iron gate valves F & F & D air under water tested		

Vladivostok, B/L #218, February 14, 1948



## SUPPLEMENTARY REPORT

SHIPMENTS OF PIPES AND FITTINGS FOR PENICILLIN EQUIPMENT TO UKRAINE

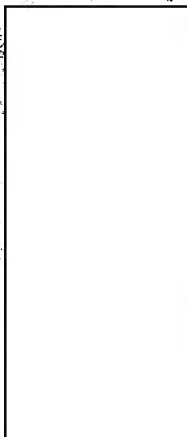
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CONTRACTOR	Quantity Shipped	MATERIAL	FAS US VALUE	shipment
	11	8" # 473 all iron gate valves F & F & D air under water tested		
	40	3 1/2" C.D. style "F" handwheels		
	4	2 x 2 x 2" #888 Stainless TRES SCD		} Vladivostok, B/L # 1218, February 14, 1947
	86	1" #8868 " " "		
	65	1" #8860 Stainless Steel 90 degree SCD elbows		
	100	1" #8840 Stainless Steel Gate valves BCD		
	20	1" #8803 stainless steel globe valves		
	40	1" #8889 stainless steel SCD comp. flanges F&D		

**SUPPLEMENTAL REPORT**  
**SHIPMENTS OF PIPES AND FITTINGS FOR PENICILLIN EQUIPMENT TO UKRAINE**

CONTRACTOR	QUANTITY SHIPPED	MATERIAL
Ideal Supply Company		
The following piping was shipped on the KAMENSKYI PODOLSKA S/L 1202 January 8, 1948. Total Value \$428.21		
1	210 ft.	1/4" Black Pipe, Threaded and Coupled
2	315 ft.	1/2" " " " " " "
3	252 ft.	3/4" " " " " " "
4	168 ft.	3/4" Galvan. " " " " " "
6	120 ft.	1 " " " " " "
8	105 ft.	1 1/4" Black " " " " " "
9	126 ft.	1-1/4" Galvan. " " " " " "
13	65 ft.	4 " Black " Plain Ends
15	93 ft.	8 " x 25 lbs. Black Pipe, Plain Ends
16	20 ft.	12 " x 30 lbs. " " " "
The following piping was shipped on the VLADIVOSTOK S/L # 1215 February 14, 1948. Total Value \$2,623.61		
3	147 ft.	3/4" Black Pipe, Threaded and Coupled
5	210 ft.	1 " " " " " "
6	210 ft.	1 " Galvan. " " " " " "
7	749 ft. 7 in.	Stainless Steel No. 304 Pipe, seamless 1" pipe
11	311 ft.	" " " " " "
12	105 ft.	4 " Black Pipe, Plain Ends
13	61 ft.	4 " " " " " "
14	63 ft.	6 " " " " " "
The following piping was shipped on the VLADIVOSTOK S/L # 1218 February 14, 1948. Total Value \$322.46		
3	147 ft.	3/4" Black Pipe, Threaded and Coupled
5	210 ft.	1 " " " " " "
6	210 ft.	1 " Galvan. " " " " " "
12	86 ft. 7"	4 " Black " Plain Ends
13	91 ft. 4"	6 " " " " " "
14		
The following piping is in New York to be loaded on the first available vessel. Total value \$232.46		
5	210 ft.	1 " Black Pipe, Threaded and Coupled
6	210 ft.	1 " Galvan. Pipe, Threaded and Couplet
10	105 ft.	2 " " " " " "
13	113 ft. 5"	4 " Black Pipe, Plain Ends

25X1



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Enclosures to

A- OSI - M

B- Lit.

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